User Guide

INSIGNIA™

Insignia 32" LCD TV/Blu-ray DVD Combo, 1080p

NS-LBD32X-10A

INSIGNIA™

Contents

CHILD SAFETY 1

Important safety instructions 2
  Warnings 2
  Cautions 3

Introduction 4

Installing the stand or wall-mount bracket 4
  Installing the stand 4
  Installing a wall-mount bracket 5

TV/Blu-ray combo components 5
  Accessories 5
  Left side 5
  Back 6
  Remote control 7

Using the remote control 8
  Installing remote control batteries 8
  Aiming the remote control 8
  Programming a universal remote control 9

Making connections 9
  Connecting the power 9
  Connecting an antenna or cable TV (no box) 10
  Connecting a cable or satellite TV box 10
  Connecting an HDMI device 11
  Connecting a DVI device 11
  Connecting a component video device 12
  Connecting an S-Video device 12
  Connecting a composite video device 12
  Connecting a digital coaxial audio system 13
  Connecting an analog audio system 13
  Connecting a computer 13

Turning your TV/Blu-ray combo on for the first time 14

Understanding TV basics 14
  About the DO NOT symbol 14
  Turning your TV/Blu-ray combo on or off 14
  Selecting the video input source 14
  On-screen menu overview 15
  Navigating the menus 15
  Switching between TV and Blu-ray modes 16
  Selecting a channel 16
  Adjusting the volume 16
  Displaying additional information 16

Adjusting the picture 17
  Adjusting the TV picture 17
  Adjusting the picture settings 17
  Adjusting the computer image 18

Selecting the aspect ratio 18

Adjusting the sound 20
Adjusting the sound 20
Selecting the audio language 20
Selecting HDMI or DVI audio input source 21
Selecting the digital audio mode 21
Turning off the internal speakers 22

Changing channel settings 23
Selecting the TV signal source 23
Automatically scanning for channels 23
Adding channels 24
Deleting a channel 24
Deleting all channels from the channel list 25
Adding or changing a channel label 25
Deleting a channel label 26
Checking the digital-signal strength 27

Setting TV parental controls 27
Setting the password for the first time 27
Changing the password 28
Setting parental control levels 28
Downloading rating information 30
Clearing all parental control settings 31

Using closed captioning 31
Viewing closed captioning 31
Selecting the closed captioning mode 32
Customizing DTV closed captioning styles 33

Adjusting time settings 34
Setting the sleep timer 34
Setting automatic shut off 34

Adjusting menu settings 34
Selecting the on-screen menu language 34
Labeling an input source 35
Resetting settings to the defaults 35

Using the Blu-ray Disc player 36
Playable discs 36
Region codes 36
Playing a disc 36
Using Media Launcher 36
Controlling disc playback 37
Displaying disc information 37
Repeating a title or chapter 38
Creating a playback loop 38
Selecting the audio language 38
Searching for a title, chapter, or elapsed time 38
Using subtitles 38
Selecting a viewing angle 38
Using PIP (picture-in-picture) mode 38
Playing MP3 or WMA files 38
Controlling MP3 or WMA playback 39
Creating an MP3 or WMA file playlist 39
Viewing an MP3 or WMA playlist 39
Deleting a file from an MP3 or WMA playlist 39
Controlling MP3 or WMA playlist playback 39
Viewing JPEG files 39

Viewing JPEG properties 39
Controlling JPEG playback 39
Viewing JPEG files in a slide show 40
Selecting the audio language 40
Selecting the subtitle language 40
Selecting the menu language for a disc 41
Selecting the on-screen menu language 41
Selecting the aspect ratio 42
Adjusting the digital audio output 42
Selecting the PCM downsampling rate 43
Turning dynamic range control on or off 43
Setting disc parental controls 44
Changing the password 44
Restoring factory defaults 45
Clearing BD storage 45
Setting the BD-Live Internet access level 46
Viewing the software version 46
Configuring your TV/Blu-ray combo’s Internet connection 47
Testing the Internet connection 47
Viewing the current IP address 48
Checking your MAC address 48
Using the Setup Menu 49
Setup Menu options 49

Maintaining 51
General guidelines 51
Condensation 52
Storing discs 52
Handling discs 52
Cleaning discs 52

Troubleshooting 52
Frequently asked questions 52
Power problems 52
Blu-ray Disc problems 53
TV problems 53
BD-Live and USB connections 54
Other 54

Specifications 54

Legal notices 55

Two-year limited warranty 57

CHILD SAFETY

It makes a difference how and where you use your flat panel display

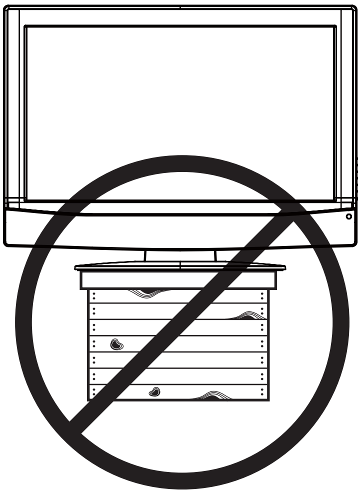
As you enjoy your new product, keep these safety tips in mind

The issue

The home theater entertainment experience is a growing trend, and larger TVs are popular purchases. However, TVs are not always supported on the proper stands or installed according to the manufacturer's recommendations. We and the consumer electronics industry are committed to making home entertainment enjoyable and safe.

TVs that are inappropriately placed on dressers, bookcases, shelves, desks, speakers, chests, or carts may fall over and cause injury.

Tune into safety



- One size of TV stand does **not** fit all. Use only a TV stand rated for the weight of your TV.
- Carefully read and understand all enclosed instructions for proper use of this product.
- Don't let children climb on or play with entertainment system furniture and TVs.
- Don't place TVs on furniture that can easily be used as steps, such as a chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger-than-life" TV. Make sure that you place or install the TV where it cannot be pushed, pulled over, or knocked down.
- Make sure that you route all cords and cables so that they cannot be pulled or grabbed by curious children.

Wall mounting

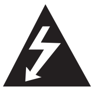
If you decide to wall mount your TV, always remember:

- One size of wall mount does **not** fit all. Use only a wall mount rated for the weight of your TV and that has been recommended by this TV manufacturer, listed in this manual, or otherwise listed by an independent laboratory as suitable for your TV.
- Follow all instructions supplied by the TV and wall mount manufacturers.
- If you have any doubts about your ability to safely wall mount your TV, get help from a professional installer.
- Make sure that the wall where you are mounting the TV is appropriate. Some wall mounts are not designed to be mounted to walls backed with steel studs or cinder blocks. If you are unsure, ask a professional installer.
- TVs can be heavy. At least two people are required for safe wall mount installation.

CEA® Consumer Electronics Association

Important safety instructions

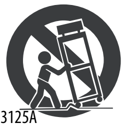
CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within your TV. This label is located on the back of your TV.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying your TV.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



S3125A

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. The main plug is the disconnecting device. The plug must remain readily operable.
16. An apparatus with a three-prong, grounding-type plug is a Class I apparatus, which needs to be grounded to prevent possible electric shock. Make sure that you connect this Class I device to a grounding-type, three-prong outlet.
17. Remote control batteries should not be exposed to excessive heat such as sunshine, fire, or the like.
18. The apparatus shall not be exposed to dripping or splashing, and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Warnings

Electric shock hazard

To reduce the risk of fire or electric shock, do not remove any cover or expose the device to rain or moisture. No user-serviceable parts are inside. Refer servicing to qualified service technicians.

Lightning

For added protection for your device receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the power outlet and disconnect any antenna or cable system. This helps prevent property damage and personal injury from lightning and power line surges.

Power lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

Handling the LCD panel

- Your TV’s screen is made of glass. Do not drop your TV or hit, jolt, or press hard against the LCD panel. If the screen breaks, be careful of broken glass.
- If the LCD panel is broken, make absolutely sure that you do not touch the liquid in the panel. This may cause skin inflammation.
- If the liquid gets in your mouth, immediately gargle, rinse, and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult with your doctor after rinsing for at least 15 minutes or longer in clean water.

Replacement parts

When replacement parts are required, make sure that the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, personal injury, or other hazards.

Safety check

After completing any service or repair to this device, ask the service technician to perform routine safety checks to determine that your TV is in correct operating condition.

Power source

Operate your TV only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult an electrician or your local power company.

Cautions

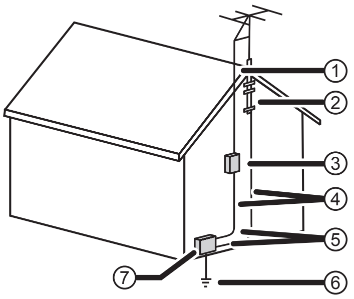
Damage requiring service

Unplug this TV from the power outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply cord or plug is damaged or frayed.
- If liquid has been spilled or objects have fallen into your TV.
- If your TV has been exposed to rain or water.
- If your TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because incorrect adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore your TV to its normal operation.
- If your TV has been dropped or damaged in any way.
- When your TV exhibits a distinct change in performance.

Outdoor antenna grounding

If an outside antenna or cable system is connected to your TV, make sure that the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to correct grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of the antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



①	Antenna lead-in wire
②	Grounding clamp
③	Antenna discharge unit
④	Grounding conductors
⑤	Ground clamps
⑥	Power service grounding electrode system
⑦	Electric service equipment

Note to CATV system installer

Article 820 of the National Electrical Code, ANSI/NFPA No. 40 provides guidance for correct grounding. Specifically, it states that the cable ground must be connected to the grounding system of the building as close to the point of cable entry as practical.

Condensation

Moisture will form on the TV if the TV is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, the TV's performance may be impaired. To prevent this, let the TV stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually.

Condensation may also form during the summer if the TV is exposed to the breeze from an air conditioner. In such cases, change the location of the TV.

Mobile telephone warning

To avoid interference with your TV picture and sound, operating problems, or even damage, keep your cordless and cellular telephones away from the TV.

End of life directives

Your TV contains tin-lead solder and a fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated for environmental reasons. Your TV also contains material that can be recycled and reused. For disposal or recycling information, contact your local authorities or the Electronic Industries Alliance at www.eia.org to find a recycler in your area.

Non-active pixels

The LCD panel contains almost 3 million thin film transistors, which provide exceptionally sharp video quality. Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green, or red point. These non-active pixels do not adversely affect the performance of your TV, and are not considered defects.

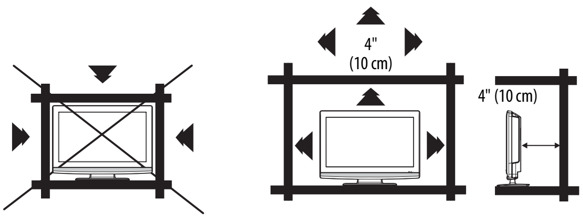
Warning

To prevent the spread of fire, keep candles or open flames away from this product at all times.

Warning

The lamp(s) within this product contain mercury. Disposal should be in compliance with local, state, or federal laws.

The unit produces heat when in operation. Do not place any covers or blankets on the unit. This may cause overheating. Do not block ventilation holes or set up near radiators. Do not place in direct sunshine. When placing on a shelf, leave 4 inches (10 cm) free space around the entire unit.



Insignia 32" LCD TV/Blu-ray DVD Combo, 1080p

Introduction

Congratulations on your purchase of a high-quality Insignia product. Your NS-LBD32X-10A represents the state of the art in LCD TV and Blu-ray Disc player design and is designed for reliable and trouble-free performance.

Installing the stand or wall-mount bracket

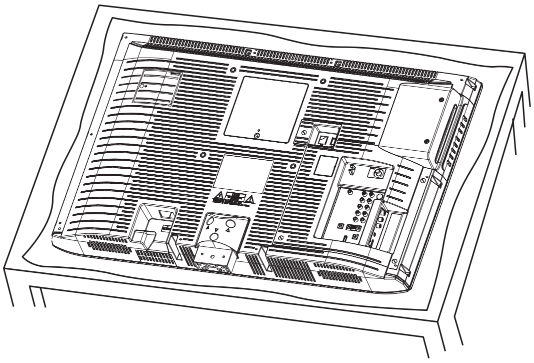
Installing the stand

Tips

- Unplug the AC cord from the **AC INPUT** jack.
- Before beginning this process, make sure that you lay your TV/Blu-ray combo on a clean, safe, and cushioned surface to avoid any damage to your TV/Blu-ray combo.
- Do not touch or press the TV screen. The glass might break under pressure.

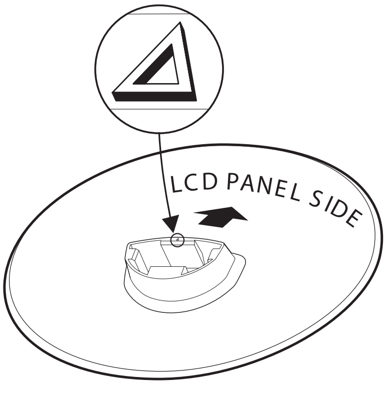
To install the stand:

1 Place your TV/Blu-ray combo face down on table, aligning the bottom of your TV/Blu-ray combo with the edge of the table. Place a towel or similar material between the screen and the table to protect the screen.

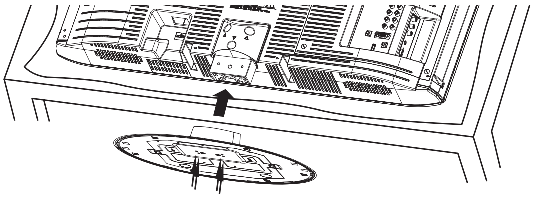


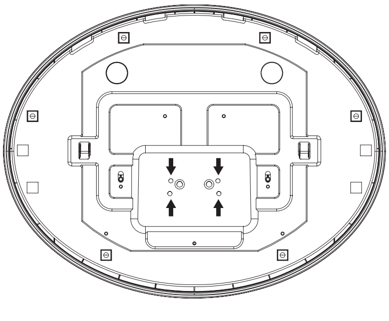
2 Align the stand assembly with the metal bracket on the bottom of your TV/Blu-ray combo. The bracket will only fit in one direction. Do not touch or apply pressure to the screen. It may break.

3 Place the base on the stand assembly. Make sure that the ▲ symbol is pointing toward the screen side of your TV/Blu-ray combo.



4 Secure the bottom plate with the four provided silver screws (M4×10mm).





Note

To remove the stand, reverse these steps.

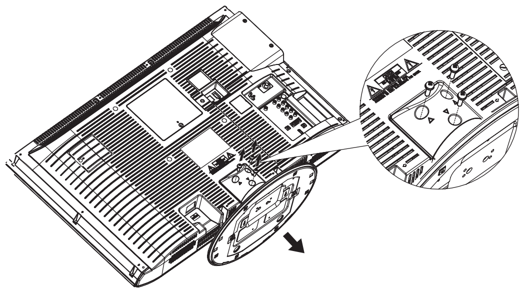
Installing a wall-mount bracket

To attach your TV to a wall-mount bracket:

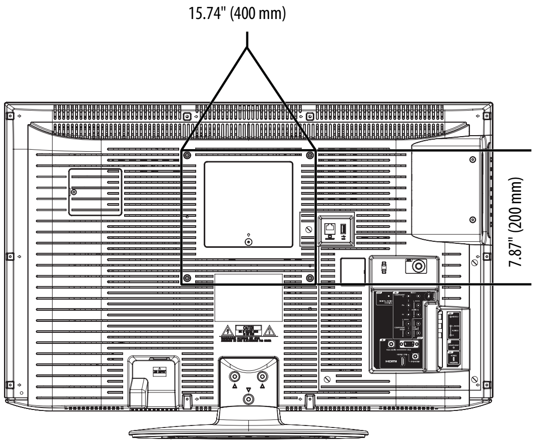
Warning

These servicing instructions are for use by qualified service personnel only. To reduce the risk of hazards, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

1 Remove the three screws on the back of the stand that secure the back cover, then remove the cover and the stand.



2 Attach the wall-mount bracket with M6 screws (not included).

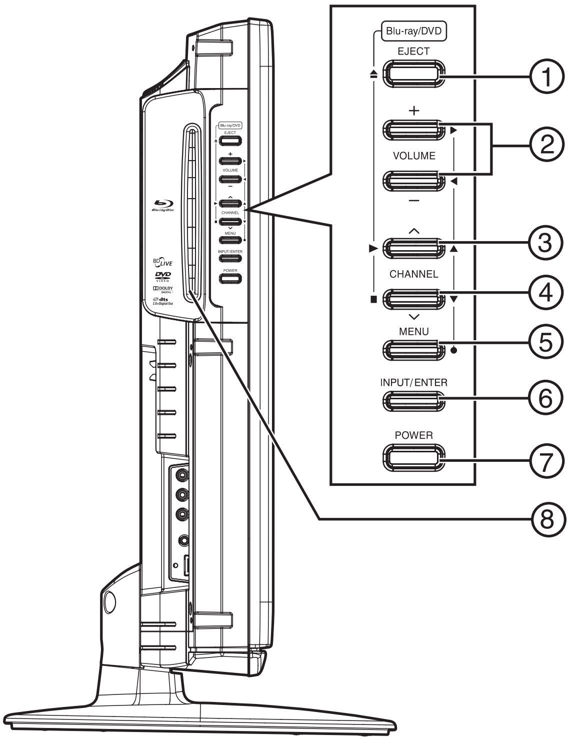


TV/Blu-ray combo components

Accessories

- Remote control
- Batteries AA (2)
- AC power cord
- Cleaning cloth
- Component cable
- Stand screws (4)
- Stand
- *User Guide*
- *Quick Setup Guide*

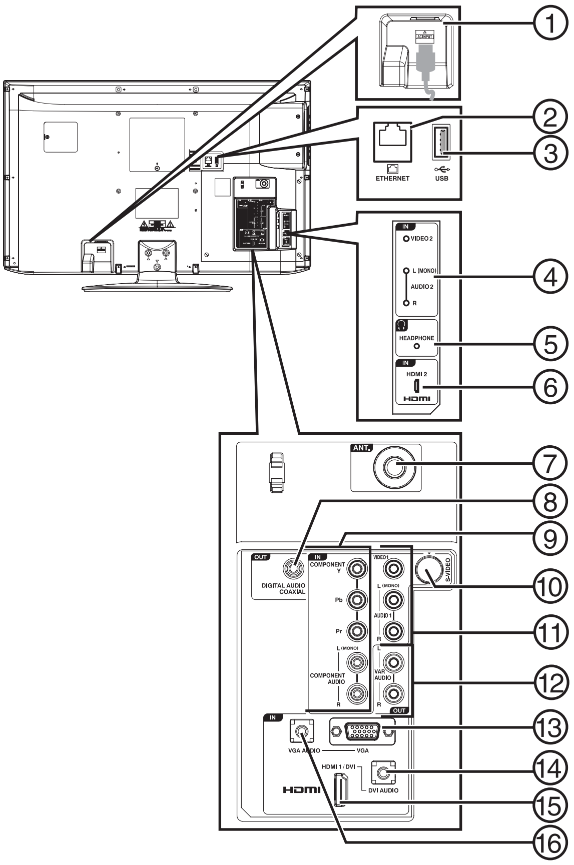
Left side



#	Item	Description
①	EJECT ⏏	Press to eject the disc from the disc slot.
②	VOLUME +/–	In TV or Blu-ray mode, press to increase (+) or decrease (–) the volume. In menu mode, press to navigate the menus and select settings.
③	CHANNEL ∧/▶ (play)	In TV mode, press to tune to the next higher channel in the channel list. For information about creating the channel list, see “Automatically scanning for channels” on page 23. In Blu-ray mode, press to begin playback. In menu mode, press to select a menu.
④	CHANNEL ∨/■ (stop)	In TV mode, press to tune to the next lower channel in the channel list. For information about creating the channel list, see ““Automatically scanning for channels” on page 23. In Blu-ray mode, press to stop playback. In menu mode, press to select a menu.
⑤	MENU	Press to open the on-screen menus.

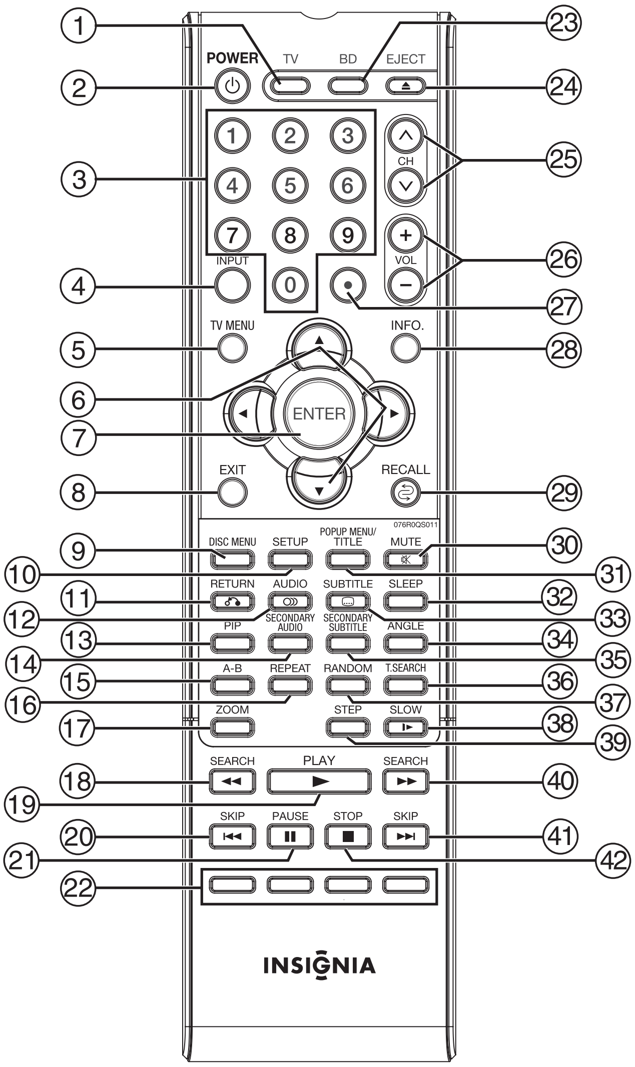
#	Item	Description
⑥	INPUT/ENTER	In TV or Blu-ray mode, press to select the video input source. For more information, see “Selecting the video input source” on page 14. In menu mode, press to confirm a selection.
⑦	POWER	Press to turn your TV on or off.
⑧	Disc slot	Insert a disc in this slot to start playback.

Back



#	Item	Description
①	AC INPUT	Connect the power cord to this jack and to a power outlet. For more information, see “Connecting the power” on page 9.
②	ETHERNET	Use this jack to connect your TV/Blu-ray combo to the Internet to download BD-Live information. For more information, see “Setting the BD-Live Internet access level” on page 46.
③	USB	Connect a USB drive to this jack to play files on your Blu-ray Disc player or to update you system. For more information, see “Using Media Launcher” on page 36.
④	VIDEO 2 IN and AUDIO 2 IN L(MONO) and R	Connect a composite video device to these jacks.
⑤	HEADPHONE	Connect headphones to this jack.
⑥	HDMI 2 IN	Connect an HDMI device to this jack.
⑦	ANT.	Connect an antenna, cable TV, or satellite TV to this jack. For more information, see “Connecting an antenna or cable TV (no box)” on page 10 or “Connecting a cable or satellite TV box” on page 10.
⑧	DIGITAL AUDIO COAXIAL OUT	Connect a digital coaxial audio system to this jack to play your TV/Blu-ray combo’s audio through external speakers. For more information, see “Connecting a digital coaxial audio system” on page 13.
⑨	COMPONENT IN VIDEO and COMPONENT AUDIO IN L(MONO) and R	Connect a component video device to these jacks. For more information, see “Connecting a component video device” on page 12.
⑩	S-VIDEO IN	Connect an S-Video device to this jack. For more information, see “Connecting an S-Video device” on page 12.
⑪	VIDEO 1 IN and AUDIO IN 1 L(MONO) and R	Connect a composite video device to these jacks. For more information, see “Connecting a composite video device” on page 12.
⑫	VAR AUDIO OUT L and R	Connect an analog audio system to these jacks to play your TV/Blu-ray combo’s audio through external speakers. For more information, see “Connecting an analog audio system” on page 13.
⑬	VGA	Connect the video for a computer to this jack. For more information, see “Connecting a computer” on page 13.
⑭	DVI AUDIO IN	Connect the audio for a DVI device to this jack. For more information, see “Connecting a DVI device” on page 11.
⑮	HDMI 1/DVI IN	Connect an HDMI device or the video for a DVI device to this jack. For more information, see “Connecting an HDMI device” on page 11 or “Connecting a DVI device” on page 11.
⑯	VGA AUDIO	Connect the audio for a computer to this jack. For more information, see “Connecting a computer” on page 13.

Remote control



#	Button	Description
①	TV	Press to change to TV mode.
②	POWER	Press to turn your TV/Blu-ray combo on or off (Standby mode). For more information, see “Turning your TV/Blu-ray combo on or off” on page 14. Warning: When your TV/Blu-ray combo is in standby mode, power still flows into it. To disconnect all power, disconnect the power cord.
③	Numbers	In TV mode, press to enter channel numbers. In TV menu mode, press to select options or enter the password. In Blu-ray mode, press to enter title, chapter, or track numbers. In Blu-ray menu mode, press to enter the password.
④	INPUT	Press to select the video input source. For more information, see “Selecting the video input source” on page 14
⑤	TV MENU	Press to open the TV Main Menu. For more information, see “Navigating the menus” on page 15.
⑥	▲ ▼ ◀ ▶	Press to select and adjust options in on-screen menus.
⑦	ENTER	Press to confirm selections and adjustments in on-screen menus.
⑧	EXIT	Press to close on-screen menus.
⑨	DISC MENU	In Blu-ray mode, press to open the Blu-ray setup menu.
⑩	SETUP	Press to open the initial setup mode.
⑪	RETURN	Press to exit the Blu-ray setup menus.
⑫	AUDIO	Press to cycle through the languages available on a Blu-ray Disc.
⑬	PIP	Press to turn PIP (picture-in-picture) mode on or off. For more information, see “Using PIP (picture-in-picture) mode” on page 38.
⑭	SECONDARY AUDIO	In PIP mode, press to turn the audio for the secondary video on or off. For more information, see “Using PIP (picture-in-picture) mode” on page 38.
⑮	A-B	Press to repeat a specific portion of a Blu-ray Disc, DVD, or CD. For more information, see “Creating a playback loop” on page 38.
⑯	REPEAT	Press to repeat the current title, chapter, track, or repeat all. For more information, see “Repeating a title or chapter” on page 38.
⑰	ZOOM	Press to open the *Picture Size* menu where you can choose the aspect ratio. For more information, see “Selecting the aspect ratio” on page 18.
⑱	SEARCH ◀◀	Press to fast-reverse on a Blu-ray Disc, DVD, or CD.
⑲	PLAY ▶	Press to start playback on a Blu-ray Disc, DVD, or CD.
⑳	SKIP ⏮	Press to go to the previous chapter on a Blu-ray Disc or DVD or to the previous track on a CD.
㉑	PAUSE ⏸	Press to pause playback on a Blu-ray Disc, DVD, or CD.
㉒	(red) (green) (yellow) (blue)	So Blu-ray Discs (those with Java™) are programmed to use these buttons to access certain playback features. If you insert a Java Blu-ray Disc, follow the on-screen instructions or the documentation that came with the disc.
㉓	BD	Press to change to BD mode.
㉔	EJECT ⏏	Press to eject a disc from the disc slot.
㉕	CH ∧ / CH ∨	Press to go to the next or previous channel in the channel list.
㉖	VOL+ / VOL–	Press to increase or decrease the volume.
㉗	●	Press to select digital sub-channels. For more information, see “Selecting a channel” on page 16.
㉘	INFO.	Press to display program information. For more information, see “Displaying additional information” on page 16.
㉙	RECALL	Press to go to the previously viewed channel.
㉚	MUTE	Press to turn off the sound. Press this button, VOL+, or VOL– to restore the sound.
㉛	POPUP MENU/TITLE	In Blu-ray mode, press to open the top menu.
㉜	SLEEP	Press to set the sleep timer. For more information, see “Setting the sleep timer” on page 34.
㉝	SUBTITLE	Press to cycle through the available subtitle languages or a Blu-ray Disc or DVD.
㉞	ANGLE	Press to select an alternate viewing angle (if available) on a Blu-ray Disc or DVD.
㉟	SECONDARY SUBTITLE	In PIP mode, press to turn the subtitle for the secondary video on or off.
㊱	T.SEARCH	Press to find a specific title, chapter, or time on a Blu-ray Disc or DVD.
㊲	RANDOM	In Audio CD mode, press to play songs in random order.
㊳	SLOW	Press to play backwards slowly on a Blu-ray Disc or DVD.

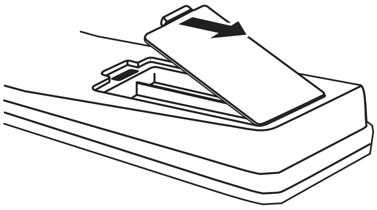
#	Button	Description
㊴	STEP	Press to advance one frame at a time on a Blu-ray Disc or DVD. Press **PLAY** to resume normal playback.
㊵	SEARCH ▶▶	Press to fast-forward on a Blu-ray Disc, DVD, or CD.
㊶	SKIP ▶▶|	Press to go to the next chapter on a Blu-ray Disc or DVD or to the next track on a CD.
㊷	STOP ■	Press to stop disc playback.

Using the remote control

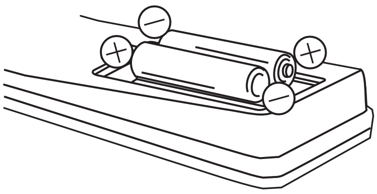
Installing remote control batteries

To install remote control batteries:

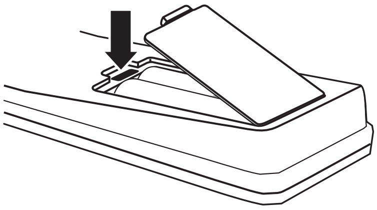
1 Remove the battery compartment cover.



2 Insert two AA batteries (included) into the battery compartment. Make sure that the + and – symbols on the batteries match the + and – symbols in the battery compartment.



3 Replace the battery compartment cover.



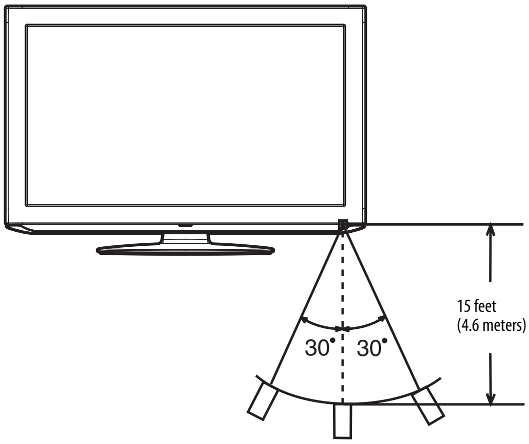
Cautions

- Make sure that you match the + and – symbols on the batteries with the symbols in the battery compartment.
- Do not mix different types of batteries or old and new batteries.
- If you do not intend to use the remote control for a extended period of time, remove the batteries to prevent leakage.
- Do not try to recharge non-rechargable batteries. They may overheat and rupture.

Aiming the remote control

To use the remote control:

Point the remote control directly at your TV, within a 60° angle horizontally (30° to either side) and within 30° vertically of the remote control sensor on the front of your TV, and within 15 feet (4.6 meters) of your TV.



Caution

Do not expose the remote control to liquids, direct sunlight, or shock.

Notes

- Objects between the remote control and the remote control sensor may block the remote control signal.
- The range of the remote control may be diminished if direct sunlight or other strong light is shining at the remote control sensor. In this case, change the angle of the lighting, move your TV, or operate the remote control closer to the remote control sensor.

Programming a universal remote control

You can operate your Insignia TV with a new or existing universal remote control.

To program a universal remote control:

1 Find the code for your universal remote control by identifying its model (or your set-top box's remote control make and model) on the charts below, then making note of the numbered code below it. You will use the numbered code to program your remote control to work with your Insignia TV.

Insignia TV codes for universal remote controls (for all Insignia TVs manufactured after Jan. 1, 2007)

Universal remote control makes and models				
Philips PHDVD5, PH5DSS, PMDVR8, PDVR8	RCA RCU807	One for All URC-6690	Sony RM-VL600	
115	**135**	**0464**	**8043**	

Set-top box makes and models				
Comcast	Dish Network	Motorola	TIVO	DirecTV
M1057	VIP508, VIP622	DRC800	Series 3, HD	RC23
0463	**720**	**0463**	**0091**	**10463**

Codes for other remote controls are available online at:

www.insigniaproducts.com/t-universal-Remote-Data.aspx

Tips

- The brand name is often visible on the front of the universal remote control, and the model number is often visible on the back.
- If your universal remote control isn't listed on the chart, refer to your universal remote control's instructions and try codes for the brands Orion, Emerson, Memorex, Sansui, Sylvania, or Zenith. You may need to try several codes before finding a match.

2 Follow your universal remote control's instructions to enter the TV code you found in Step 1.

Tips

- If your universal remote control has a code search feature, run a code search to identify a code that matches your TV. See your universal remote control's instructions for details.
- If your universal remote control has a "Learn" feature, you can manually program it using the Insignia TV remote to "teach" the commands one at a time. See your universal remote control's instructions for details.

3 If all else fails, you must use a different universal remote control that can operate both your set-top box and your TV. Four such remotes are listed on the chart, but many other compatible models are available in the market.

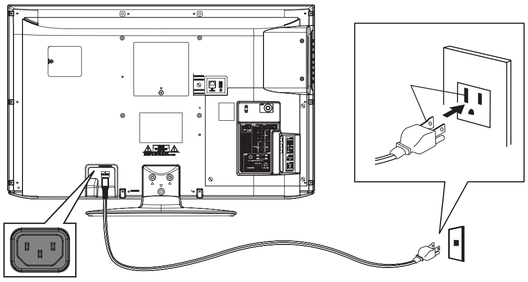
For more help, call technical support for your universal remote control or set-top box manufacturer, or call the Insignia Customer Care Center at 1-877-467-4289.

Making connections

Connecting the power

To connect the power:

- Plug the power cord into the AC INPUT jack on the back of your TV/Blu-ray combo and into a power outlet.



Warnings

- Do not connect your TV/Blu-ray combo to power using any device other than the supplied AC power cord. This could cause fire, electrical shock, or damage.
- Do not use with a voltage other than the power voltage displayed on the label on your TV/Blu-ray combo. This could cause fire, electrical shock, or damage.
- Do not plug or unplug the power cord when your hands are wet. This may cause electrical shock.
- The AC cord has a grounding-type AC line plug. If the supplied AC cord does not match your power outlet, contact a qualified electrician to replace the obsolete outlet. Do not defeat the purpose of a grounded plug. This could cause fire or electrical shock.

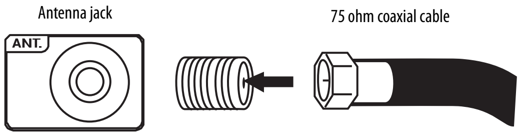
Cautions

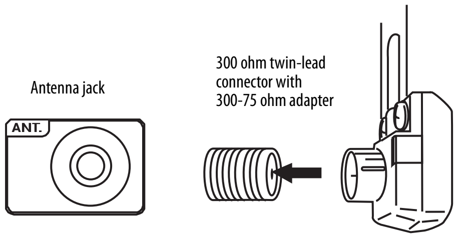
- When your TV/Blu-ray combo is not used for a long time, unplug it from the power outlet.
- If you need to replace the supplied AC cord, contact customer service.

Connecting an antenna or cable TV (no box)

To connect an antenna or cable TV (no box):

- Connect one end of a 75 ohm coaxial cable to the antenna or cable wall jack, then connect the other end of the cable to the **ANT.** jack on the back of your TV/Blu-ray combo. If your antenna cable has a 300 ohm twin-lead connector, use a 300-75 ohm adapter.


Antenna jack
ANT.
75 ohm coaxial cable


Antenna jack
ANT.
300 ohm twin-lead connector with 300-75 ohm adapter

Note

- Always unplug the coaxial cable when you move your TV/Blu-ray combo.
- If you switch between antenna and cable, install an antenna selector.
- If you need help connecting cable TV, contact your cable TV provider.

To connect a combination VHF/UHF antenna with separate VHF and UHF 300 ohm twin-lead wires:

1. Connect the UHF 300 ohm twin-lead wire to the combiner (not supplied).
2. Connect the VHF 300 ohm twin-lead wire to the 300-75 ohm matching transformer.
3. Attach the transformer to the combiner, then attach the combiner to the **ANT.** jack on the back of your TV/Blu-ray combo.

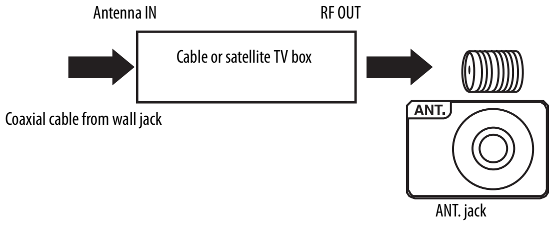
Connecting a cable or satellite TV box

Note

Installation methods may vary depending on the type of cable or satellite box. Contact your cable or satellite provider for more information.

To connect a cable or satellite box:

1. Connect a 75 ohm coaxial cable to the cable or satellite TV wall jack, then connect the other end to the **Antenna IN** jack on the cable or satellite TV box.

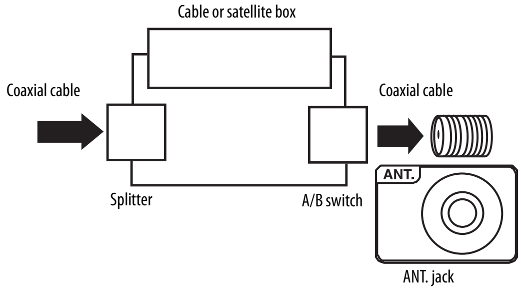

Antenna IN
RF OUT
Cable or satellite TV box
Coaxial cable from wall jack
ANT.
ANT. jack

2. Connect a 75 ohm coaxial cable to the **RF OUT** jack on the cable or satellite TV box, then connect the other end to the **ANT.** jack on the back of your TV/Blu-ray combo.

If you subscribe to a cable TV service in which basic channels are unscrambled and premium channels require the use of a converter/descrambler box, you may want to use a signal splitter and an A/B switch box (available from the cable TV company or an electronics supply store).

To connect cable TV with a converter/descrambler box:

- Use the following illustration to connect a converter/descrambler box.


Cable or satellite box
Coaxial cable
Coaxial cable
Splitter
A/B switch
ANT.
ANT. jack

Set the RF switch to the **A** position to tune to unscrambled channels using your TV/Blu-ray combo remote control. Set the RF switch to the **B** position to watch scrambled channels using the converter/descrambler controls.

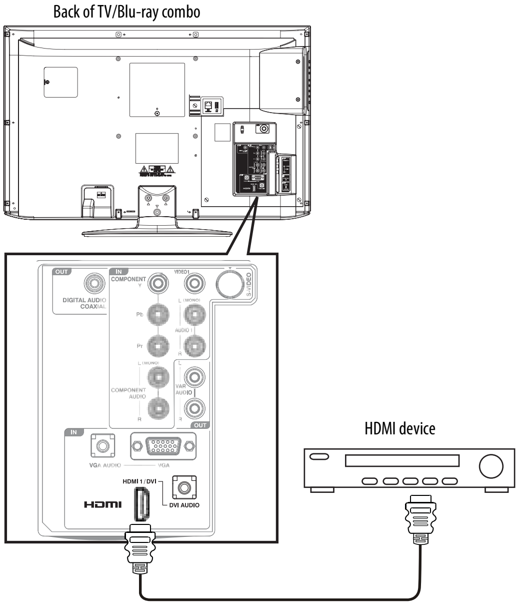
Connecting an HDMI device

Note

You can also connect an HDMI device to the **HDMI 2 IN** jack.

To connect an HDMI device:

- Connect an HDMI cable to the **HDMI 1/DVI IN** jack on the back of your TV/Blu-ray combo and to the **HDMI OUT** jack on the HDMI device.


Back of TV/Blu-ray combo
OUT
IN
COMPONENT
VIDEO
DIGITAL AUDIO COAXIAL
COMPONENT AUDIO
VGA AUDIO
VGA
HDMI 1 / DVI
DVI AUDIO
HDMI
HDMI device

Note

- When you connect an HDMI or DVI device, you must select the corresponding audio input source (HDMI or DVI). Otherwise, you will only see and image with no sound. For more information, see “Selecting HDMI or DVI audio input source” on page 21.
- If you connect an external component (such as a cable box or satellite receiver) to your TV/Blu-ray combo using an HDMI cable or a HDMI-to-DVI cable, the image will not display if the output resolution of the connected component is set to 480i. To receive the picture, you must change the output resolution on the external component. If you need further instruction, contact the manufacturer of the external component.

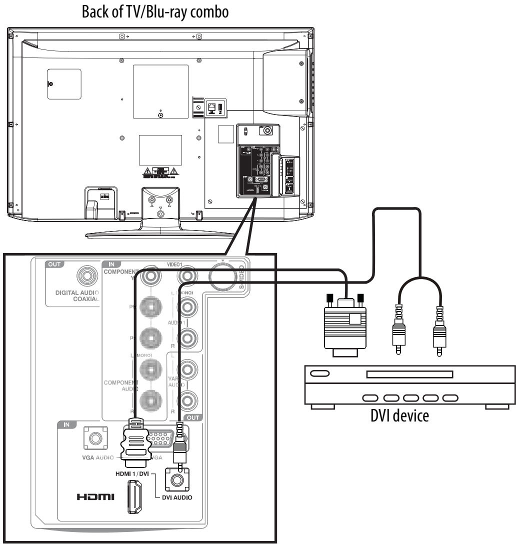
Connecting a DVI device

Note

You will need an HDMI-to-DVI adapter to connect a DVI device.

To connect a DVI device:

1 Connect an HDMI-to-DVI adapter with an HDMI cable, then connect the cable to the **HDMI 1/DVI IN** jack on the back of your TV/Blu-ray combo and to the DVI device.


Back of TV/Blu-ray combo
OUT
IN
COMPONENT
VIDEO
DIGITAL AUDIO COAXIAL
COMPONENT AUDIO
VGA AUDIO
HDMI 1 / DVI
DVI AUDIO
HDMI
DVI device

2 Connect an audio cable to the **DVI AUDIO IN** jack on the back of your TV/Blu-ray combo and to the **AUDIO OUT** jacks on the DVI device.

Note

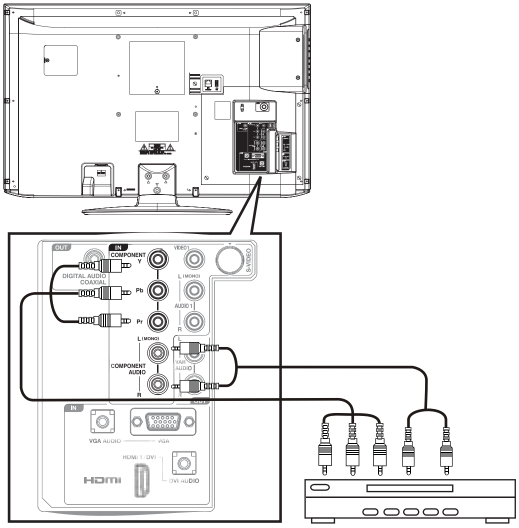
- When you connect an HDMI or DVI device, you must select the corresponding audio input source (HDMI or DVI). Otherwise, you will only see and image with no sound. For more information, see “Selecting HDMI or DVI audio input source” on page 21.
- If you connect an external component (such as a cable box or satellite receiver) to your TV/Blu-ray combo using an HDMI cable or an HDMI-to-DVI cable, the image will not display if the output resolution of the connected component is set to 480i. To receive the picture, you must change the output resolution on the external component. If you need further instruction, contact the manufacturer of the external component.

Connecting a component video device

To connect a component video device:

1. Connect a component video cable to the **COMPONENT IN Y**, **Pb**, **Pr** jacks on the back of your TV/Blu-ray combo and to the corresponding **COMPONENT OUT** jacks on the component video device.

Back of TV/Blu-ray combo


OUT
IN
COMPONENT
Y
Pb
Pr
DIGITAL AUDIO COAXIAL
VIDEO 1
S-VIDEO
L (MONO)
AUDIO 1
R
COMPONENT AUDIO
VAR AUDIO
VGA AUDIO
VGA
HDMI 1 / DVI
HDMI
DVI AUDIO

Component video device

2. Connect an audio cable to the **COMPONENT IN AUDIO L(MONO)** and **R** jacks on the back of your TV/Blu-ray combo and to the **COMPONENT AUDIO OUT** jacks on the component video device.

Note

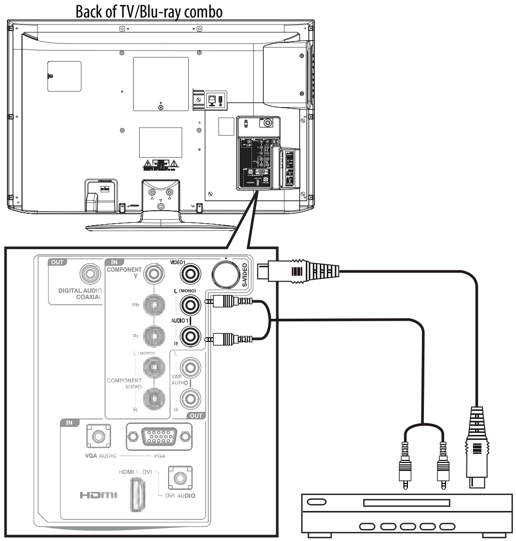
Your TV accepts 480i, 480p, 720p, and 1080i video signals.

Connecting an S-Video device

To connect an S-Video device:

1. Connect an S-Video cable to the **S-VIDEO IN** jack on the back of your TV/Blu-ray combo and to the **S-VIDEO OUT** jack on the S-Video device.

Back of TV/Blu-ray combo


OUT
IN
COMPONENT
Y
Pb
Pr
DIGITAL AUDIO COAXIAL
VIDEO 1
S-VIDEO
L (MONO)
AUDIO 1
R
COMPONENT AUDIO
VAR AUDIO
VGA AUDIO
VGA
HDMI 1 / DVI
HDMI
DVI AUDIO

S-Video device

2. Connect an audio cable to the **AUDIO 1 IN L (MONO)** and **R** jacks on the back of your TV/Blu-ray combo and to the **AUDIO OUT** jacks on the S-Video device.

Note

The **S-VIDEO IN** jack and the **VIDEO 1 IN** jack share the **AUDIO 1 IN L(MONO)** and **R** jacks. If you have devices connected to both video jacks, the **S-VIDEO** jack controls the audio jacks.

Connecting a composite video device

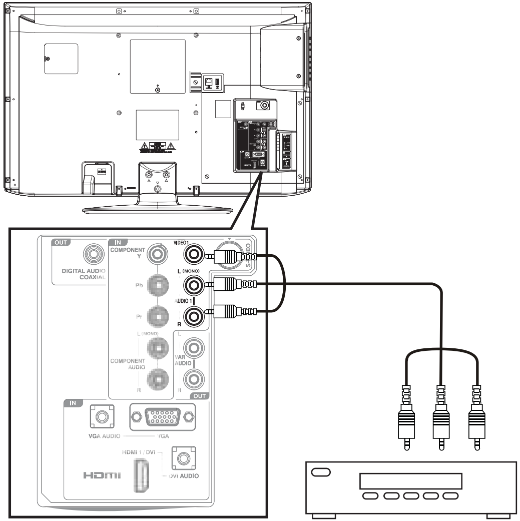
Note

You can also connect a composite video device to the **VIDEO 2 IN** and **AUDIO 2 IN** jacks.

To connect a composite video device:

- Connect an AV cable to the **VIDEO 1 IN** and **AUDIO 1 IN L(MONO)** and **R** jacks on the back of your TV/Blu-ray combo and the **VIDEO** and **AUDIO OUT** jacks on the composite video device.

Back of TV/Blu-ray combo


OUT
IN
COMPONENT
Y
Pb
Pr
DIGITAL AUDIO COAXIAL
VIDEO 1
L (MONO)
AUDIO 1
R
COMPONENT AUDIO
VAR AUDIO
VGA AUDIO
VGA
HDMI 1 / DVI
HDMI
DVI AUDIO

Composite video device

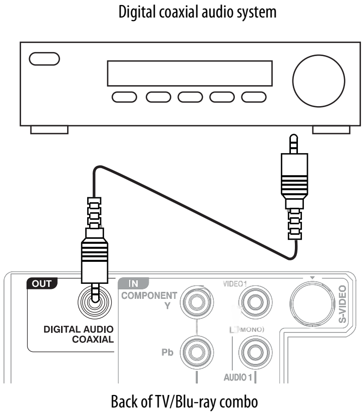
Note

The **S-VIDEO IN** jack and the **VIDEO 1 IN** jack share the **AUDIO 1 IN L(MONO)** and **R** jacks. If you have devices connected to both video jacks, the **S-VIDEO** jack controls the audio jacks.

Connecting a digital coaxial audio system

To connect a digital coaxial audio system:

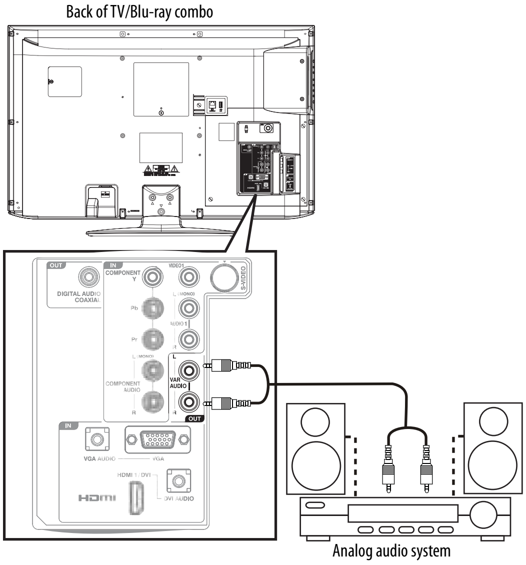
- Connect a digital audio coaxial cable to the **DIGITAL AUDIO COAXIAL OUT** jack on the back of your TV/Blu-ray combo and to the **DIGITAL AUDIO COAXIAL IN** jack on the audio system.


Digital coaxial audio system
OUT
IN
COMPONENT
Y
VIDEO1
S-VIDEO
DIGITAL AUDIO
COAXIAL
L (MONO)
Pb
AUDIO 1
Back of TV/Blu-ray combo

Connecting an analog audio system

To connect an analog audio system:

- Connect an audio cable to the **VAR AUDIO OUT L** and **R** jacks on the back of your TV/Blu-ray combo and to the **AUDIO IN** jacks on the audio system.


Back of TV/Blu-ray combo
OUT
IN
COMPONENT
DIGITAL AUDIO
COAXIAL
VAR
AUDIO
VGA AUDIO
VGA
HDMI
DVI AUDIO
Analog audio system

Notes

To hear the audio from your TV/Blu-ray combo through the audio system:

- You must turn off your TV/Blu-ray combo's internal speakers. For more information, see "Turning off the internal speakers" on page 22.
- Set the volume on your TV/Blu-ray combo and the audio system above 0 (zero).

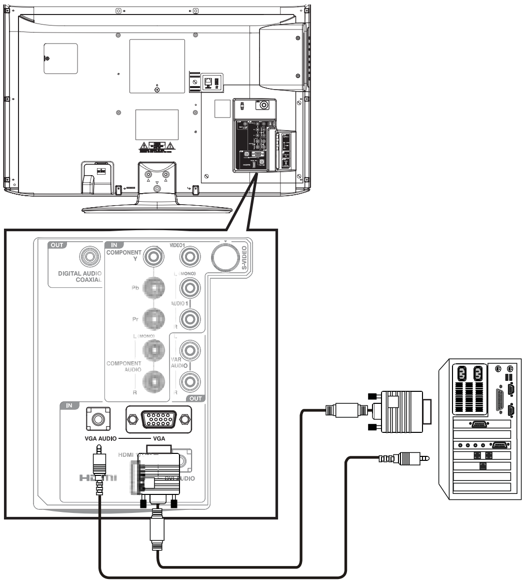
Connecting a computer

Note

You can also connect a computer using HDMI or DVI. For more information, see "Connecting an HDMI device" on page 11 or "Connecting a DVI device" on page 11.

To connect a computer:

1. Connect a VGA cable to the **VGA IN** jack on the back of your TV/Blu-ray combo and to the **VGA** jack on the computer.


OUT
IN
COMPONENT
DIGITAL AUDIO
COAXIAL
S-VIDEO
VGA AUDIO
VGA
HDMI
OUT

2. Connect an audio cable to the **VGA AUDIO IN** jack on the back of your TV/Blu-ray combo and to the **AUDIO OUT** jack on the computer.

Notes

- The on-screen menus may have different options in PC mode than in TV mode.
- If there is no video signal from the computer when your TV/Blu-ray combo is in PC mode, "No signal" appears on the TV screen.
- Your TV/Blu-ray combo does not support a Plug and Play connection to the computer.

Supported resolutions

You may need to change the computer's resolution to one listed in the following table.

Mode	Resolution	Refresh rate
VGA	640 × 480	60 Hz/72 Hz/75 Hz
VGA	720 × 400	70 Hz
SVGA	800 × 600	56 Hz/72 Hz/75 Hz
XGA	1024 × 768	60 Hz/72 Hz/75 Hz
WXGA	1280 × 768	60 Hz
WXGA	1280 × 720	60 Hz
WXGA	1360 × 768	60 Hz
SXGA	1280 × 1024	60 Hz
WXGA+	1440 × 900	60 Hz
FHD	1920 × 1080	60 Hz

Turning your TV/Blu-ray combo on for the first time

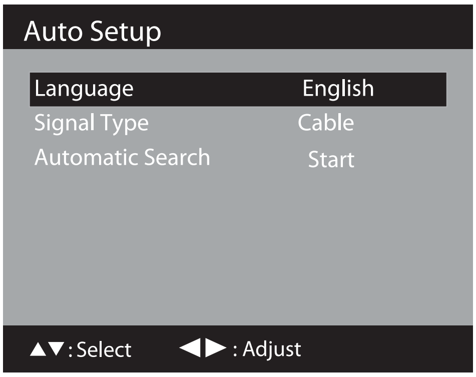
The first time you turn on your TV/Blu-ray combo, the *Auto Setup* screen opens. The *Auto Setup* screen lets you set up basic settings including the menu language, TV signal source, and channel list.

To set up your TV/Blu-ray combo:

1 Make sure that you have connected an antenna or cable or satellite TV. If you do not do this, your TV/Blu-ray combo will not scan for channels correctly.

2 Make sure that you have connected the power cord, then press **POWER** to turn on your TV. The power indicator on the front of your TV/Blu-ray combo turns blue. It takes approximately 10 seconds for the image to appear.

The *Auto Setup* screen opens.



Language English
Signal Type Cable
Automatic Search Start

3 Press ◄ or ► to select an on-screen menu language.

4 Press ▲ or ▼ to highlight **Signal Type**, then press ◄ or ► to select **Cable** (cable TV) or **Air** (antenna).

5 Press ▲ or ▼ to highlight **Automatic Search**, then press ► or **ENTER**. Your TV/Blu-ray combo starts scanning for channels. Channel information is stored in the channel list. When the scan is complete, your TV/Blu-ray combo tunes to the first station in the channel list.

Depending on the reception conditions, it may take from 15 minutes to 30 minutes to complete scanning for digital cable channels.

Note

You can press **EXIT** to stop the auto setup process, but you will have to scan for channels to create a complete channel list.

Understanding TV basics

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

About the DO NOT symbol

The ∅ (DO NOT) symbol may appear on your TV display during operation and indicates that the function you are trying to perform is not allowed by your TV/Blu-ray combo or specific media. For example, many discs will not let you fast-forward through warnings at the beginning of a movie.

Turning your TV/Blu-ray combo on or off

To turn your TV/Blu-ray combo on or off:

- Press **POWER**. Your TV/Blu-ray combo turns on and the power LED on the front of your TV/Blu-ray combo turns blue.
- Press **POWER** again. Your TV/Blu-ray combo turns off (Standby mode) and the LED on the front of your TV/Blu-ray combo turns red.

Warning

When your TV/Blu-ray combo is in Standby mode, power still flows into it. To disconnect power, unplug the power cord.

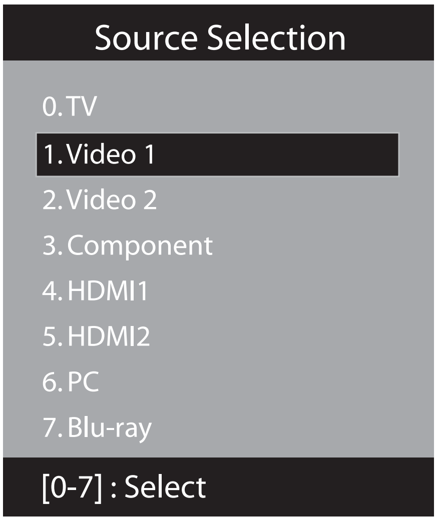
Note

When your TV does not receive a signal and you do not press any buttons for 15 minutes, your TV goes into Standby mode.

Selecting the video input source

To select the video input source:

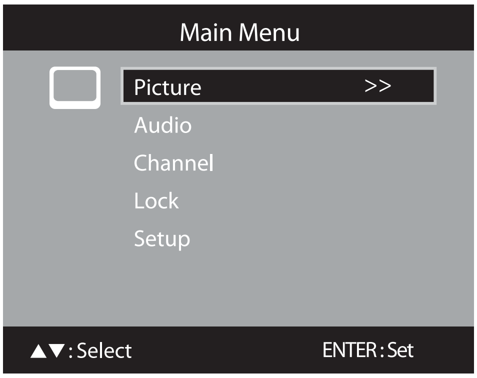
1 Press **INPUT**. The input source list opens.



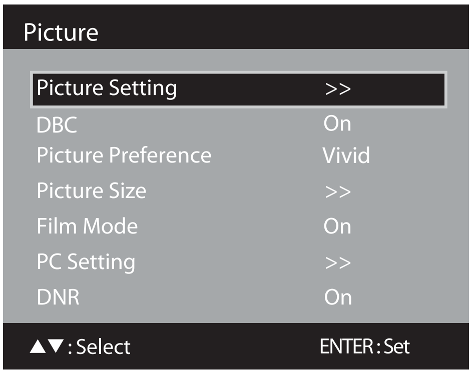
2. Press ▲ or ▼ or the corresponding number (0 through 7) to select the video input source, then press **ENTER**. Depending on which jacks you have devices connected to, you can select:
   - **TV**
   - **Video1** (device connected to the **VIDEO 1 IN** or **S-VIDEO IN** jack)
   - **Video2**
   - **Component**
   - **HDMI1** (HDMI or DVI device)
   - **HDMI2**
   - **PC**
   - **Blu-ray**

On-screen menu overview

Main menu


Main Menu
Picture >>
Audio
Channel
Lock
Setup
▲▼: Select
ENTER: Set

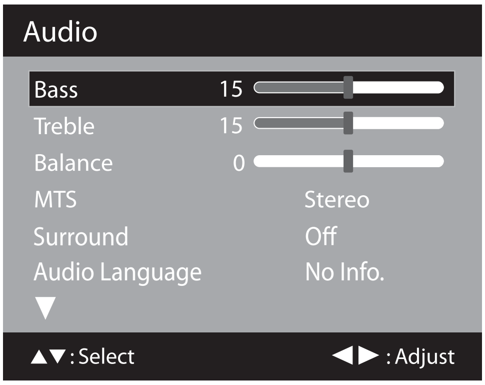
Picture menu


Picture

Picture Setting >>
DBC On
Picture Preference Vivid
Picture Size >>
Film Mode On
PC Setting >>
DNR On

▲▼: Select
ENTER: Set

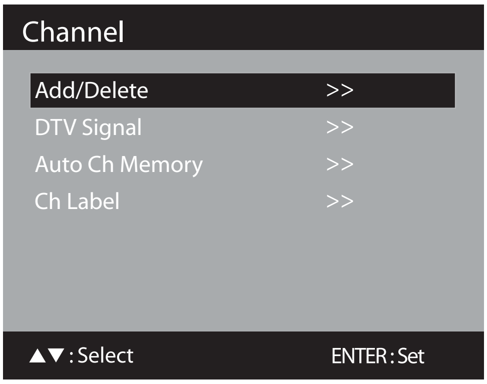
Audio


Audio

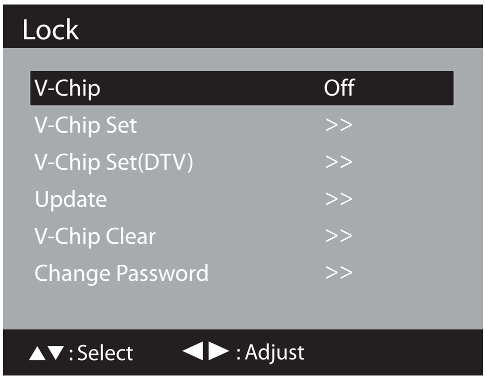
Bass 15
Treble 15
Balance 0
MTS Stereo
Surround Off
Audio Language No Info.

▼
▲▼: Select
◀▶ : Adjust

Channel


Channel
Add/Delete >>
DTV Signal >>
Auto Ch Memory >>
Ch Label >>
▲▼: Select
ENTER: Set

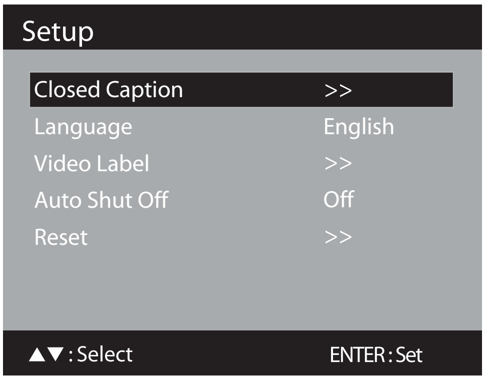
Lock


Lock

V-Chip Off
V-Chip Set >>
V-Chip Set(DTV) >>
Update >>
V-Chip Clear >>
Change Password >>

▲▼: Select
◀▶ : Adjust

Setup


Setup

Closed Caption >>
Language English
Video Label >>
Auto Shut Off Off
Reset >>

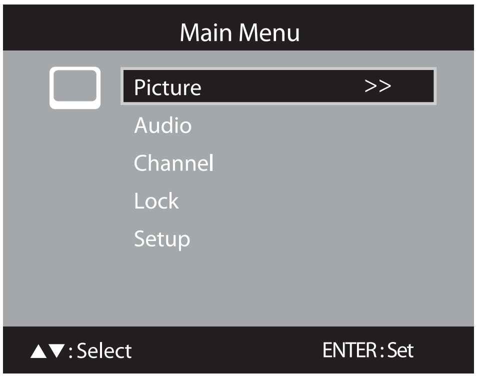
▲▼: Select
ENTER: Set

Navigating the menus

To navigate the menus:

1. Make sure that your TV is plugged in and connected to an antenna, cable TV, or satellite TV.
2. Press **POWER**. You may have to wait a few seconds for your TV to initialize.
3. Press **TV** to select TV mode.

4 Press **TV MENU**. The *Main Menu* opens.



5 Press ▲ or ▼ to select a menu, then press ▶ or **ENTER**. The menu opens.

6 Press ▲ or ▼ to select a setting. If the setting has a separate menu, **>>** appears next to the setting. press ▶ or **ENTER**. The menu opens.

7 Press ◀ or ▶ to adjust the setting.

8 Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Switching between TV and Blu-ray modes

To switch between TV and Blu-ray modes:

- Press **TV** for TV mode.
- Press **BD** for Blu-ray mode.

Selecting a channel

To select a channel:

- Press **CH** ⌃ or **CH** ⌄ to go to the next or previous channel in the channel list and skip channels that are not in the list. For more information, see “Automatically scanning for channels” on page 23.
- Press the number buttons for the channel. For example:
  - To select channel 2, press **2**.
  - To select channel 12, press **1** then press **2**.
  - To select channel 120, press **1**, **2**, then press **0**.
- To select the last channel viewed, press **RECALL**.
- To select a digital sub-channel, press the number buttons for the main channel, press ●, then press the number for the sub-channel. For example, to select sub-channel 001 of digital channel 015, press **0**, **1**, **5**, ●, **0**, **0**, **1**.

Note

- If you select a channel with audio content only, “Audio only” is displayed on the screen.
- If you select a channel with a weak digital signal, “Digital channel signal strength is low” is displayed on the screen.
- The same program may be available on either an analog channel or a digital channel. You can choose to watch either format.
- If you select a channel to which you have not subscribed, “Digital channel is encrypted” is displayed on the screen.
- If you select channel with no broadcast signal, the sound is muted automatically.
- It may take a few seconds for a digital channel picture to appear on the screen after your select it.

Air	Cable
VHF	2-13
UHF	14-69 STD/HRC/IRC 14-36 (A) (W) 37-59(AA) (WW) 60-85(AAA) (ZZZ) 86-94(86) (94) 95-99(A-5) (A-1) 100-135(100) (135) 01(4A)

Adjusting the volume

To adjust the volume:

1 Press **VOL+** to increase the volume.

2 Press **VOL–** to decrease the volume.

3 Press **MUTE** to turn off the sound. Press **MUTE**, **VOL+**, or **VOL–** to restore the sound.

Displaying additional information

To display additional information:

- Press **INFO.** to display information about the program on the screen.
  - Digital information includes channel number, channel label (if preset), broadcast program name, V-chip rating, signal type, sleep timer, audio language, program guide, picture size, and resolution.
  - Analog information includes channel number, channel label (if preset), V-chip rating, signal type, sleep timer, picture size, audio information (Stereo, SAP, or Mono), and resolution.
- Press **INFO.** again to clear the display, or wait a few seconds and your TV/Blu-ray combo returns to normal operation automatically.

Adjusting the picture

Note

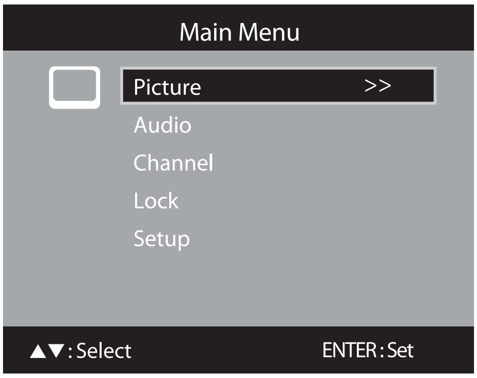
Unless otherwise noted, all tasks in this section are based on using the remote control.

Adjusting the TV picture

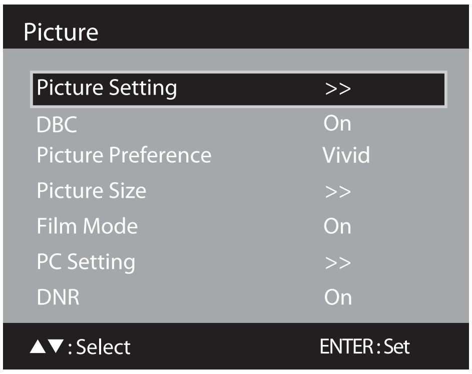
To adjust the TV picture:

1 Press **TV** to select TV mode.

2 Press **TV MENU**. The *Main Menu* opens.



3 Press ▲ or ▼ to select **Picture**, then press ▶ or **ENTER**. The *Picture* menu opens.



Picture	
Picture Setting	>>
DBC	On
Picture Preference	Vivid
Picture Size	>>
Film Mode	On
PC Setting	>>
DNR	On

4 Press ▲ or ▼ to select an option, then press ◀ or ▶ to adjust the setting. You can select:

- **Picture Setting**—See "Adjusting the picture settings" on page 17.
- **DBC**—Automatically adjusts the backlight to match the picture. The backlight brightens for bright scenes and darkens for dark scenes. You can select **On** or **Off**.
- **Picture Preference**—Selects the picture mode. You can select:
  - **Vivid**—Provides a bright and dynamic picture.
  - **Standard**—Provides standard picture quality.
  - **Theater**—Provides a movie-like picture.
  - **Custom**—Sets your personal preferences. See "Adjusting the picture settings" on page 17.
- **Picture Size**—See "Selecting the aspect ratio" on page 18.
- **Film Mode**—Turns Film Mode **On** or **Off**. For smoother motion when you are watching a DVD, set this setting to On.
- **PC Setting**—See "Adjusting the computer image" on page 18.
- **DNR** (Dynamic Noise Reduction)—Reduces video artifacts to make the picture smoother. You can select **On** or **Off**.

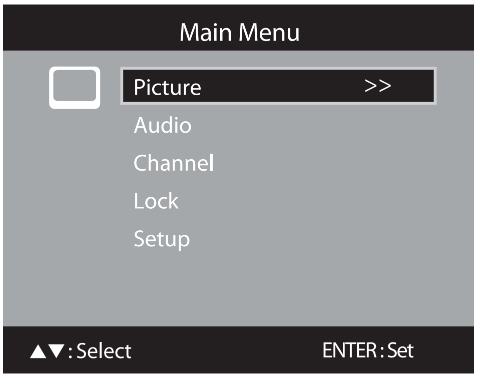
5 Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Adjusting the picture settings

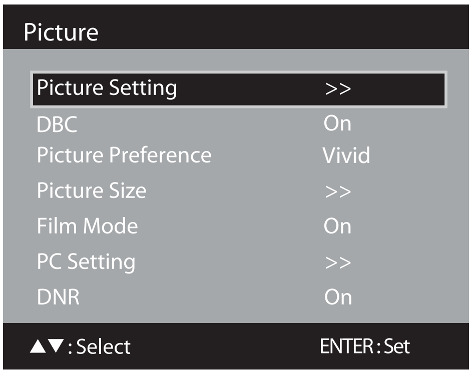
To adjust the picture settings:

1 Press **TV** to select TV mode.

2 Press **TV MENU**. The *Main Menu* opens.

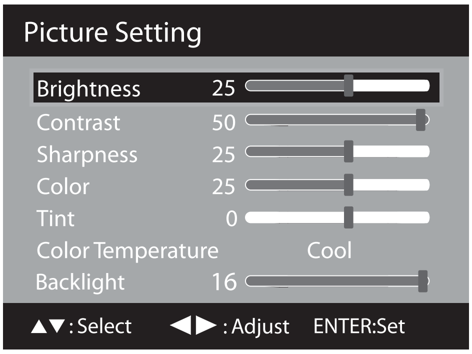


3 Press ▲ or ▼ to select **Picture**, then press ▶ or **ENTER**. The *Picture* menu opens.



Picture	
Picture Setting	>>
DBC	On
Picture Preference	Vivid
Picture Size	>>
Film Mode	On
PC Setting	>>
DNR	On

4 Press ▲ or ▼ to select **Picture Setting**, then press ▶ or **ENTER**. The *Picture Setting* screen opens.



Picture Setting	
Brightness	25
Contrast	50
Sharpness	25
Color	25
Tint	0
Color Temperature	Cool
Backlight	16

5 Press ▲ or ▼ to select a setting, then press ◀ or ▶ to adjust the setting. You can select:
   - **Brightness**—Adjusts the picture brightness.
   - **Contrast**—Adjusts the picture contrast (the default setting is maximum).
   - **Sharpness**—Adjusts the picture focus.
   - **Color**—Adjusts the color intensity of the picture.
   - **Tint**—Adjusts the red and green colors in the picture.
   - **Color Temperature**—Adjust the color temperature of the picture. You can select:
     - **Cool**—Gives the picture a bluish tint.
     - **Normal**—Gives the picture a neutral tint.
     - **Warm**—Gives the picture a reddish tint.
   - **Backlight**—Adjusts the backlighting to improve picture clarity.

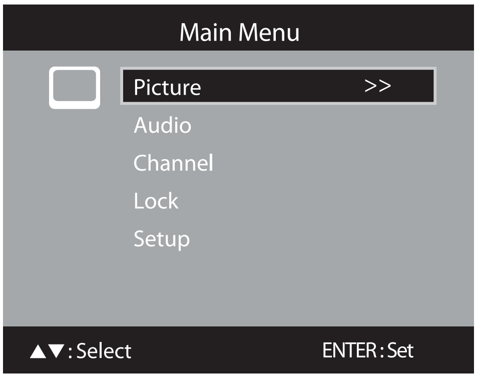
6 Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Adjusting the computer image

To adjust the computer image:

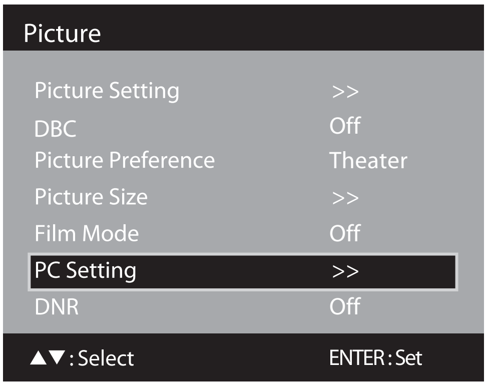
1 Press **TV** to select TV mode.

2 Press **TV MENU**. The *Main Menu* opens.



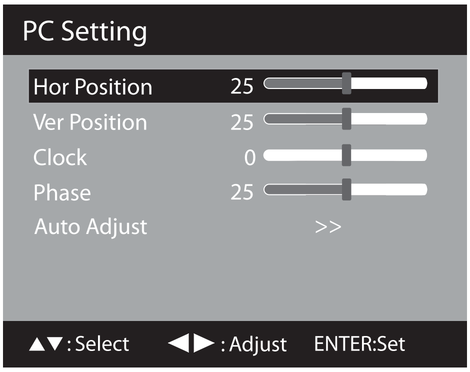
Main Menu
Picture >>
Audio
Channel
Lock
Setup
▲▼: Select ENTER: Set

3 Press ▲ or ▼ to select **Picture**, then press ▶ or **ENTER**. The *Picture* menu opens.



Picture
Picture Setting >>
DBC Off
Picture Preference Theater
Picture Size >>
Film Mode Off
PC Setting >>
DNR Off
▲▼: Select ENTER: Set

4 Press ▲ or ▼ to select **PC Setting**, then press ▶ or **ENTER**. The *PC Setting* screen opens.



PC Setting
Hor Position 25
Ver Position 25
Clock 0
Phase 25
Auto Adjust >>
▲▼: Select ◀▶: Adjust ENTER:Set

5 Press ▲ or ▼ to select a setting, then press ◀ or ▶ to adjust the setting. You can select:
   - **Hor Position**—Adjusts the horizontal position of the computer image.
   - **Ver Position**—Adjusts the vertical position of the computer image.
   - **Clock**—Adjusts the clock, to eliminate vertical bars or stripes on the picture background.
   - **Phase**—Adjusts the phase, after the frequency has been set, to optimize the picture.
   - **Auto Adjust**—Automatically adjusts all PC settings.

6 Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

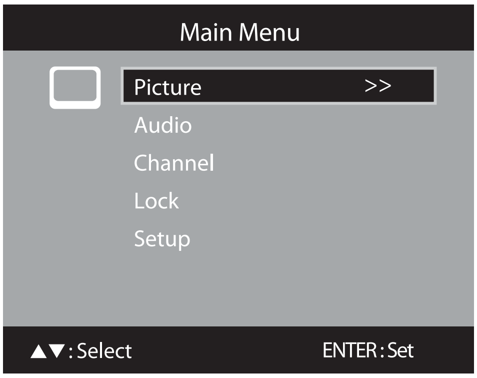
Notes
- If no buttons are pressed for more than about 40 seconds, the menu screen returns to normal automatically.
- The computer settings do not affect other input modes.

Selecting the aspect ratio

To select the aspect ratio:

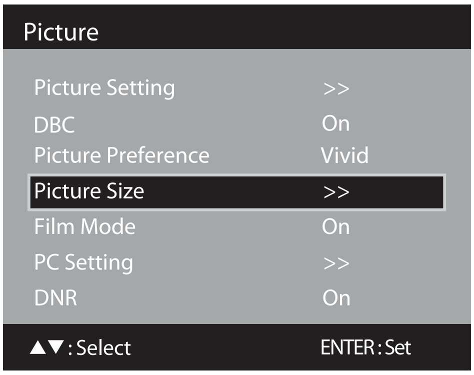
1 Press **TV** to select TV mode.

2 Press **TV MENU**. The *Main Menu* opens.



Main Menu
Picture >>
Audio
Channel
Lock
Setup
▲▼: Select ENTER: Set

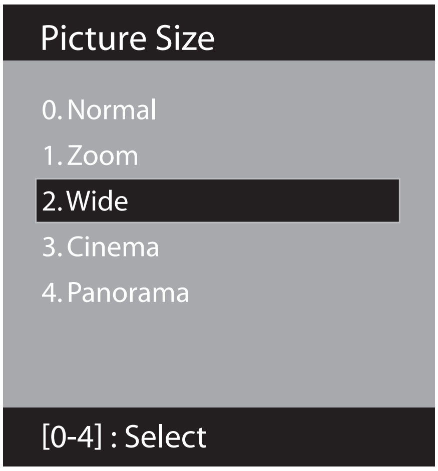
3 Press ▲ or ▼ to select **Picture**, then press ▶ or **ENTER**. The *Picture* menu opens.



Picture

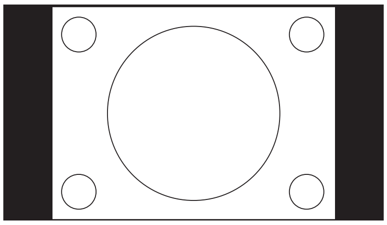
Picture Setting	>>
DBC	On
Picture Preference	Vivid
Picture Size	>>
Film Mode	On
PC Setting	>>
DNR	On

4 Press ▲ or ▼ to select **Picture Size**, then press ▶ or **ENTER**. The *Picture Size* menu opens.

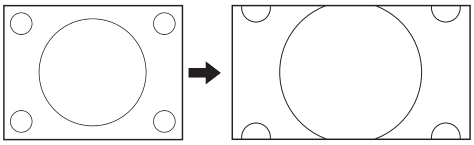


5 Press ▲ or ▼ or the corresponding number to select an aspect ratio. You can select:

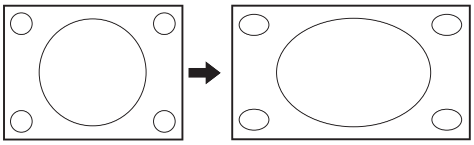
- **0. Normal**—In some cases, this image displays the size of standard 4:3 with a black side bar.



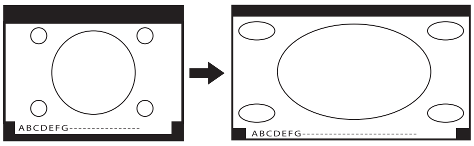
- **1. Zoom**—(For 4:3 format programs) Fills the screen by extending the right and left edges. The center of the picture remains near its normal ratio. The top and bottom edges of the picture may be hidden.



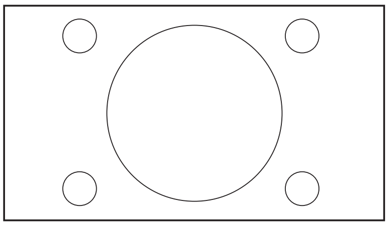
- **2. Wide**—(For 4:3 format programs) Fills the width of the screen by extending the picture horizontally.



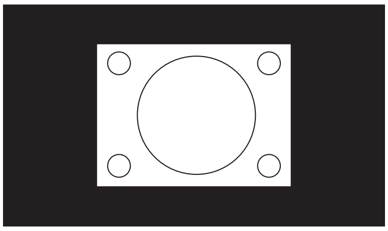
- **3. Cinema**—(For letterbox programs with subtitles) Fills the width of the screen by extending the picture horizontally. The top and the bottom are only slightly extended and the top and bottom edges of the picture may be hidden.



- **4. Panorama**—(For 16:9 source programs) Displays the picture at the maximum size.



- **Native**—(For PC mode only) Detects the resolution of the image signal and displays the image on the screen with the same number of pixels.



6 Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Note

- Selectable picture sizes may vary, depending on the input source or broadcast signal.
- The *Picture Size* menu can also be opened by pressing **ZOOM**.
- In PC mode, only **Normal**, **Wide**, and **Native** are available.
- In PC mode only **Wide** and **Native** are available when the display mode is WXGA, WXGA+, or FHD.

Adjusting the sound

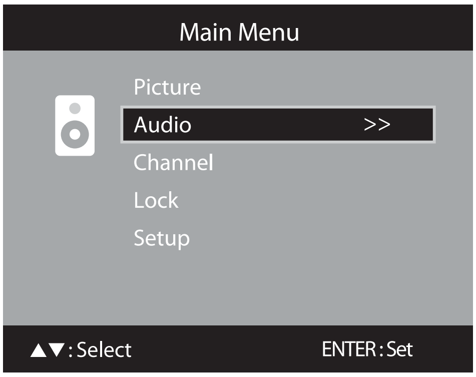
Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

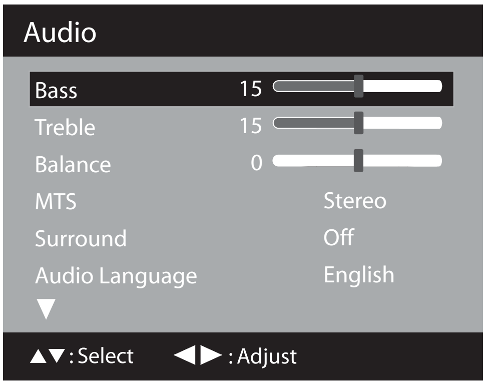
Adjusting the sound

To adjust the sound:

1. Press **TV** to select TV mode.
2. Press **TV MENU**. The *Main Menu* opens.



3. Press ▲ or ▼ to select **Audio**, then press ▶ or **ENTER**. The *Audio* menu opens.



Audio

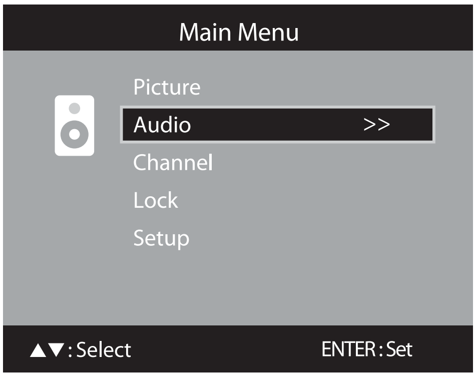
Bass 15
Treble 15
Balance 0
MTS Stereo
Surround Off
Audio Language English

4. Press ▲ or ▼ to select a setting, then press ◀ or ▶ to adjust the setting. You can select:
   - **Bass**—Adjusts the lower sounds.
   - **Treble**—Adjusts the higher sounds.
   - **Balance**—Adjust the balance between the speakers to get an equal sound level from both speakers.
   - **MTS**—Selects the sound mode. You can select:
     - **Stereo**—Lets you listen to stereo audio (this setting automatically outputs the type of sound being broadcast, either stereo or mono.
     - **SAP**—Lets you listen to a second audio program (SAP) instead of normal audio.
     - **Mono**—Lets you listen to monaural sound only.
   - **Surround**—Turns surround sound on or off. When this setting is set to **On**, the dynamic presence and sound created offers a throughly enjoyable listening experience.
   - **Audio Language**—See “Selecting the audio language” on page 20.
   - **Digital Audio Mode**—See “Selecting the digital audio mode” on page 21.
   - **HDMI1 Audio**—See “Selecting HDMI or DVI audio input source” on page 21.
   - **Speakers**—See “Turning off the internal speakers” on page 22.
5. Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

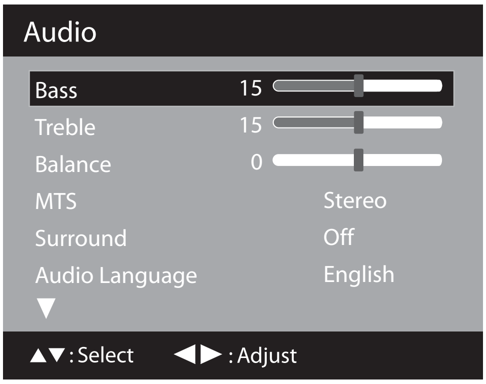
Selecting the audio language

To select the audio language:

1. Press **TV** to select TV mode.
2. Press **TV MENU**. The *Main Menu* opens.



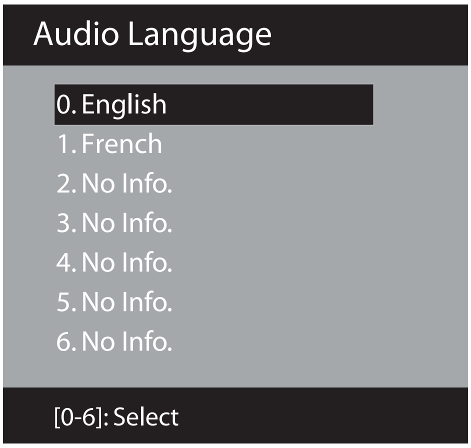
3. Press ▲ or ▼ to select **Audio**, then press ▶ or **ENTER**. The *Audio* menu opens.



Audio

Bass 15
Treble 15
Balance 0
MTS Stereo
Surround Off
Audio Language English

4. Press ▲ or ▼ to select **Audio Language**, then press ▶ or **ENTER**. The *Audio Language* menu opens.



Audio Language

0. English
1. French
2. No Info.
3. No Info.
4. No Info.
5. No Info.
6. No Info.

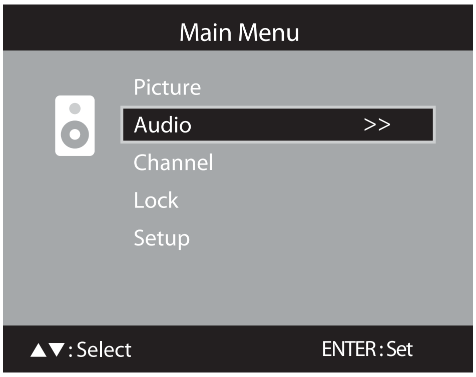
[0-6]: Select

5. Press ▲ or ▼ or the corresponding number to select a language. The available languages vary depending on the broadcast.
6. Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Selecting HDMI or DVI audio input source

To select the HDMI or DVI audio input source:

1. Press **TV** to select TV mode.
2. Press **TV MENU**. The *Main Menu* opens.

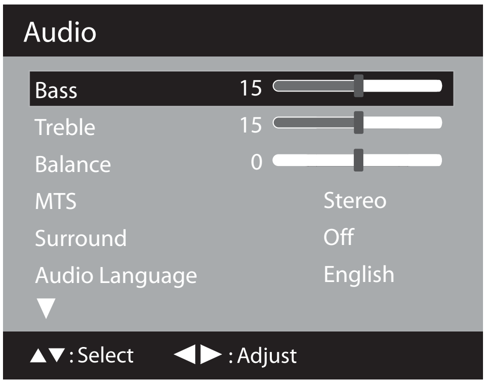


Main Menu

Picture
Audio >>
Channel
Lock
Setup

▲▼: Select ENTER: Set

3. Press ▲ or ▼ to select **Audio**, then press ▶ or **ENTER**. The *Audio* menu opens.

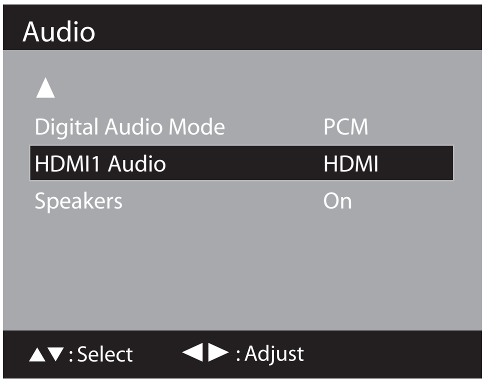


Audio

Bass 15
Treble 15
Balance 0
MTS Stereo
Surround Off
Audio Language English
▼

▲▼: Select ◀▶: Adjust

4. Press ▲ or ▼ to select **HDMI1 AUDIO**.



Audio

▲
Digital Audio Mode PCM
HDMI1 Audio HDMI
Speakers On

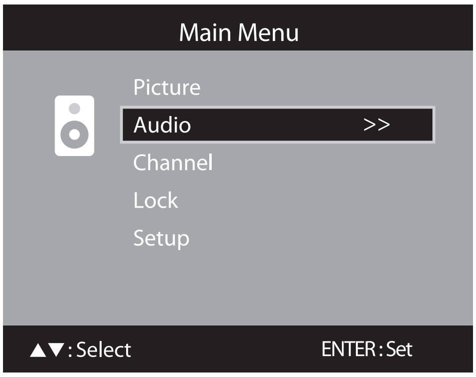
▲▼: Select ◀▶: Adjust

5. Press ◀ or ▶ to select:
   - **HDMI**—When you connect an HDMI device to your TV/Blu-ray combo.
   - **DVI**—When you connect a DVI device and use the **DVI AUDIO IN** jack to connect the audio.
6. Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Selecting the digital audio mode

To select the digital audio mode:

1. Press **TV** to select TV mode.
2. Press **TV MENU**. The *Main Menu* opens.

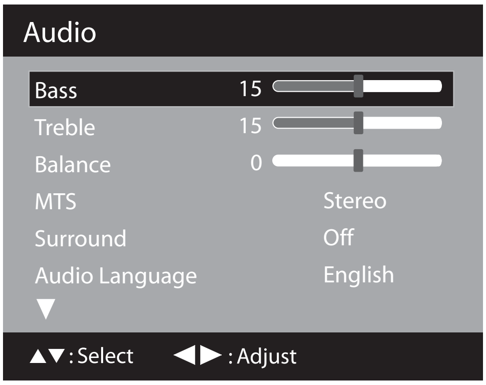


Main Menu

Picture
Audio >>
Channel
Lock
Setup

▲▼: Select ENTER: Set

3. Press ▲ or ▼ to select **Audio**, then press ▶ or **ENTER**. The *Audio* menu opens.

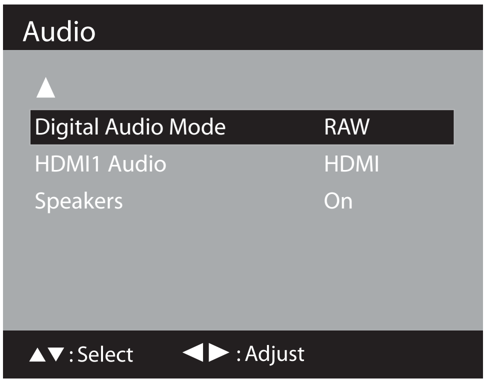


Audio

Bass 15
Treble 15
Balance 0
MTS Stereo
Surround Off
Audio Language English
▼

▲▼: Select ◀▶: Adjust

4 Press ▲ or ▼ to select **Digital Audio Mode**.


Audio

Digital Audio Mode	RAW
HDMI1 Audio	HDMI
Speakers	On

5 Press ◀ or ▶ to select a digital audio mode. You can select:

- **RAW**—Select this option when your TV/Blu-ray combo is connected to a Dolby Digital amplifier. Your TV/Blu-ray combo outputs original Dolby sound.
- **PCM**—Select this option when your TV/Blu-ray combo is connected to a PCM amplifier. Your TV/Blu-ray combo converts Dolby sound to PCM sound automatically.

6 Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Notes

Digital Audio Mode is available only for digital channel mode.

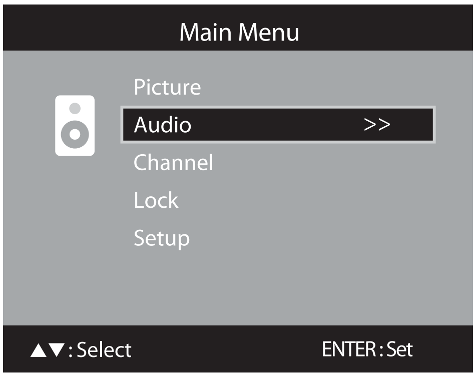
Turning off the internal speakers

Use this feature to turn the TV speakers off when you connect an audio system.

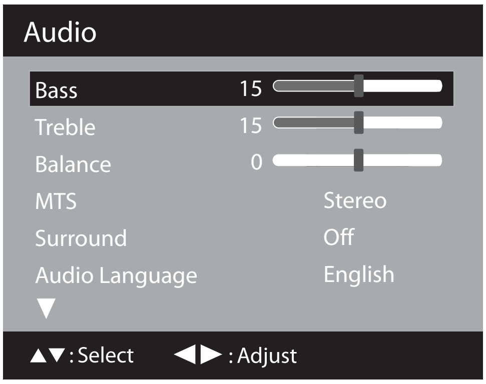
To turn off the internal speakers:

1 Press **TV** to select TV mode.

2 Press **TV MENU**. The *Main Menu* opens.

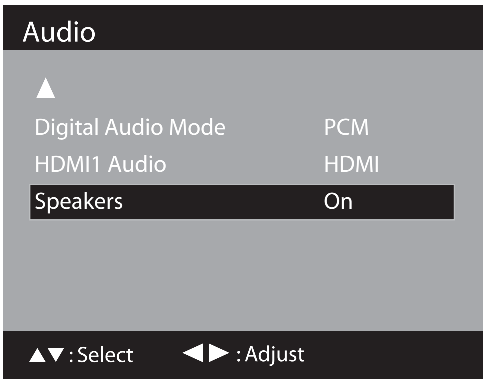


3 Press ▲ or ▼ to select **Audio**, then press ▶ or **ENTER**. The *Audio* menu opens.


Audio

Bass	15
Treble	15
Balance	0
MTS	Stereo
Surround	Off
Audio Language	English

4 Press ▲ or ▼ to select **Speakers**.


Audio

Digital Audio Mode	PCM
HDMI1 Audio	HDMI
Speakers	On

5 Press ◀ or ▶ to select **Off**.

6 Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Notes

- To turn the speaker back on, repeat this task and select **On** in Step 5.
- If you select **Off**, "Speakers: Off" appears on the screen when you try to adjust the volume with your TV/Blu-ray combo's controls.

Changing channel settings

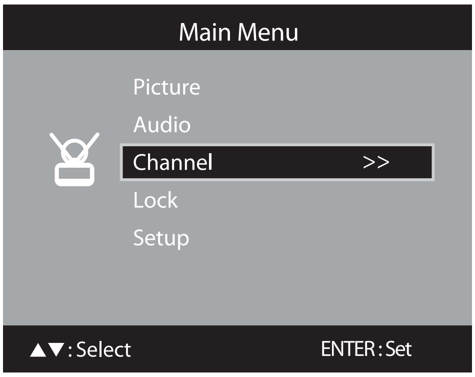
Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

Selecting the TV signal source

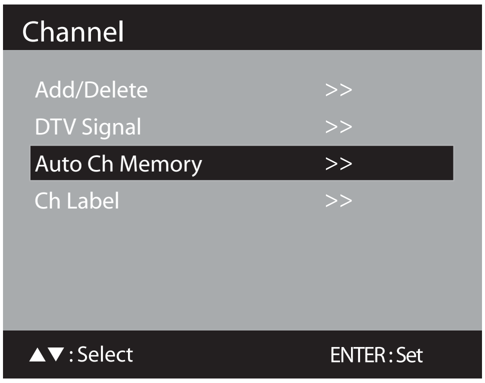
To select the TV signal source:

1. Press **TV** to select TV mode.
2. Press **TV MENU**. The *Main Menu* opens.



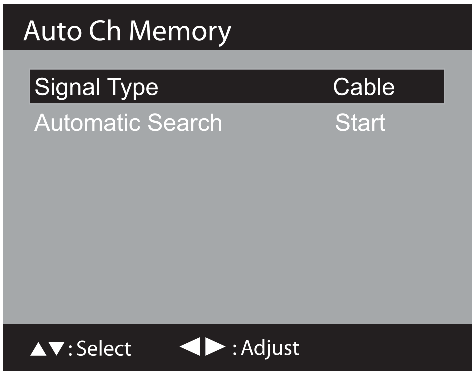
Main Menu
Picture
Audio
Channel >>
Lock
Setup
▲▼: Select ENTER: Set

3. Press ▲ or ▼ to select **Channel**, then press ► or **ENTER**. The *Channel* menu opens.



Channel
Add/Delete >>
DTV Signal >>
Auto Ch Memory >>
Ch Label >>
▲▼: Select ENTER: Set

4. Press ▲ or ▼ to select **Auto Ch Memory**, then press ► or **ENTER**. The *Auto Ch Memory* menu opens.
5. Press ▲ or ▼ to select **Signal Type**, then press ◄ or ► to select **Air** (antenna) or **Cable** (cable TV).



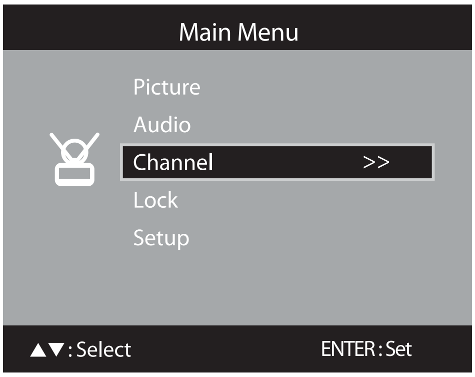
Auto Ch Memory
Signal Type Cable
Automatic Search Start
▲▼: Select ◄►: Adjust

6. Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Automatically scanning for channels

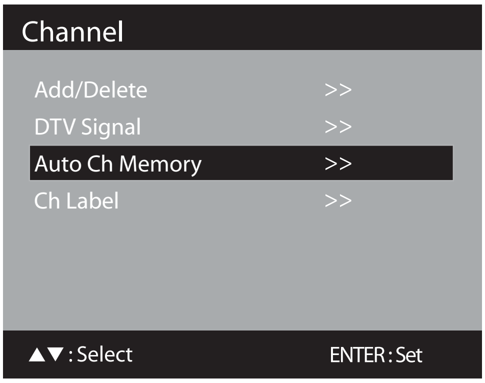
To automatically scan for channels:

1. Make sure that you have selected the TV signal source. For instructions, see “Selecting the TV signal source” on page 23.
2. Press **TV** to select TV mode.
3. Press **TV MENU**. The *Main Menu* opens.



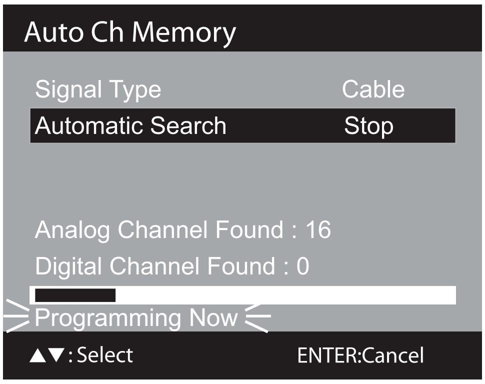
Main Menu
Picture
Audio
Channel >>
Lock
Setup
▲▼: Select ENTER: Set

4. Press ▲ or ▼ to select **Channel**, then press ► or **ENTER**. The *Channel* menu opens.



Channel
Add/Delete >>
DTV Signal >>
Auto Ch Memory >>
Ch Label >>
▲▼: Select ENTER: Set

5. Press ▲ or ▼ to select **Auto Ch Memory**, then press ► or **ENTER**. The *Auto Ch Memory* menu opens.
6. Press ▲ or ▼ to select **Automatic Search**, then press ► or **ENTER**.



Auto Ch Memory
Signal Type Cable
Automatic Search Stop
Analog Channel Found : 16
Digital Channel Found : 0
Programming Now
▲▼: Select ENTER:Cancel

Your TV/Blu-ray combo scans for channels in your viewing area and stores the channel information in the channel list. The scan may take five minutes. When the scan is complete, your TV/Blu-ray combo tunes to the first channel in the channel list.

Notes

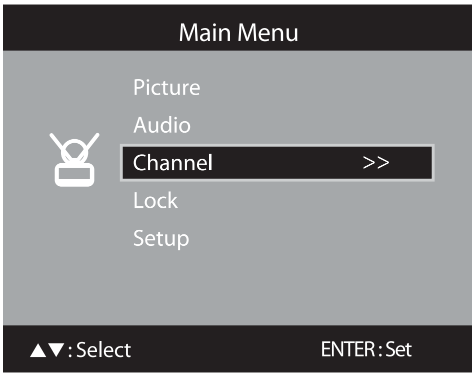
- Scanning for channels is best accomplished during evening "Primetime" hours, because more stations are broadcasting digital signals at that time.
- The channel scan only memorized a channel memorization while a station is broadcasting a digital signal.
- If you are unsure of the digital channels available in your area, you can visit www.antennaweb.org to receive a list based on your address or Zip code.
- New digital channels may be added to your area periodically. We recommend that you perform a scan for channels regularly.
- All channel labels you created are cleared when you scan for channels.

Adding channels

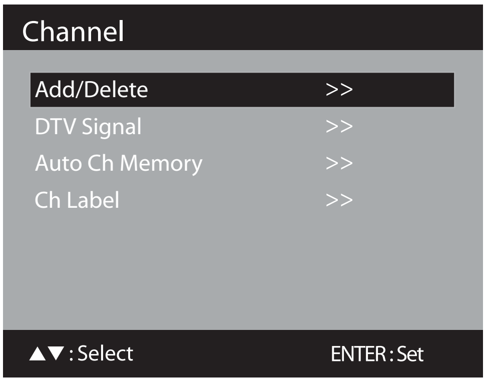
If you find a new digital channel, you can add it to the channel list.

To add channels:

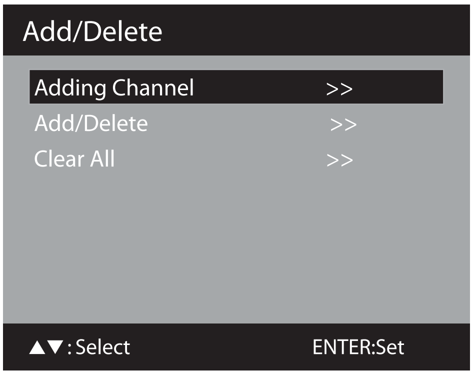
1. Press **TV** to select TV mode.
2. Tune to the channel you want to add.
3. Press **TV MENU**. The *Main Menu* opens.


Main Menu
Picture
Audio
Channel >>
Lock
Setup
▲▼: Select
ENTER: Set

4. Press ▲ or ▼ to select **Channel**, then press ► or **ENTER**. The *Channel* menu opens.


Channel
Add/Delete >>
DTV Signal >>
Auto Ch Memory >>
Ch Label >>
▲▼: Select
ENTER: Set

5. Press ▲ or ▼ to select **Add/Delete**, then press ► or **ENTER**. The *Add/Delete* menu opens.

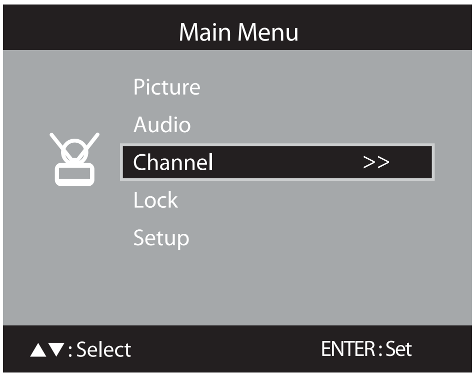

Add/Delete
Adding Channel >>
Add/Delete >>
Clear All >>
▲▼: Select
ENTER:Set

6. Press ▲ or ▼ to select **Adding Channel**, then press ► or **ENTER**. The channel is added to the channel list.
7. Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

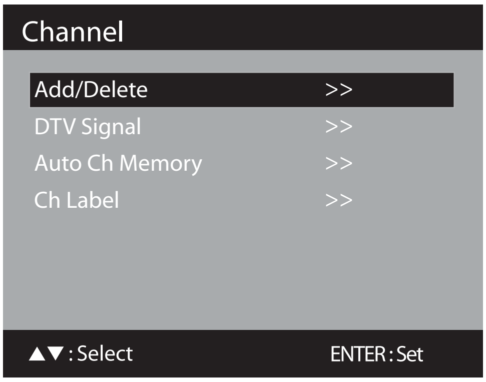
Deleting a channel

To delete a channel:

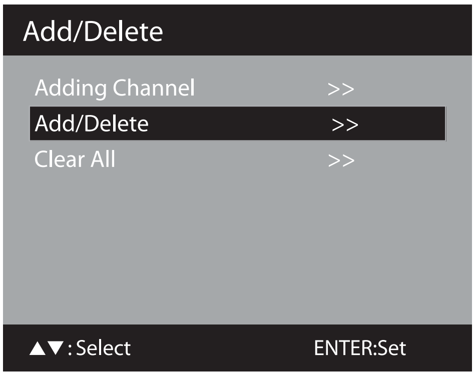
1. Press **TV** to select TV mode.
2. Press **TV MENU**. The *Main Menu* opens.


Main Menu
Picture
Audio
Channel >>
Lock
Setup
▲▼: Select
ENTER: Set

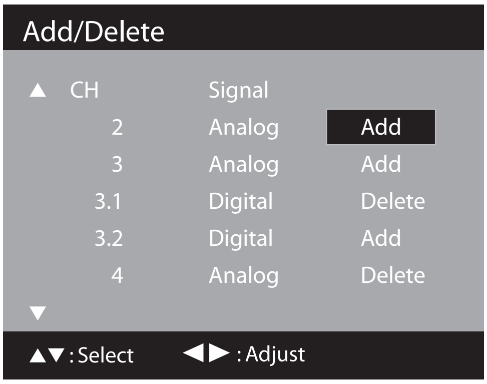
3. Press ▲ or ▼ to select **Channel**, then press ► or **ENTER**. The *Channel* menu opens.


Channel
Add/Delete >>
DTV Signal >>
Auto Ch Memory >>
Ch Label >>
▲▼: Select
ENTER: Set

4 Press ▲ or ▼ to select **Add/Delete**, then press ▶ or **ENTER**. The *Add/Delete* menu opens.


Add/Delete
Adding Channel >>
Add/Delete >>
Clear All >>
▲▼: Select
ENTER:Set

5 Press ▲ or ▼ to select **Add/Delete**, then press ▶ or **ENTER**. The *Add/Delete* screen opens.


Add/Delete
▲
▼
▲▼: Select
◀▶ : Adjust

CH	Signal	
2	Analog	Add
3	Analog	Add
3.1	Digital	Delete
3.2	Digital	Add
4	Analog	Delete

6 Press ▲ or ▼ to select to delete the channel you want to delete, then press ◀ or ▶ to select **Delete**.

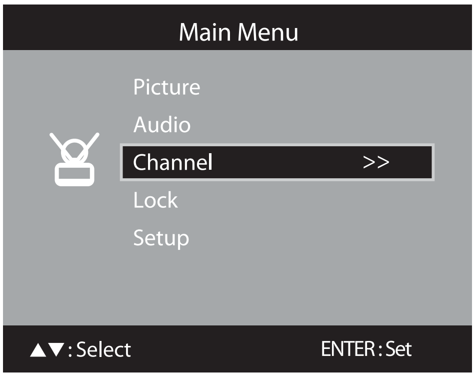
7 Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Deleting all channels from the channel list

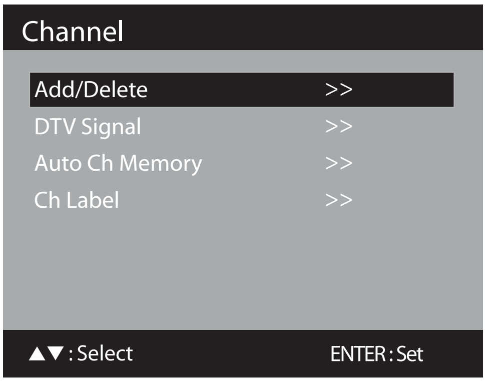
To delete all channels from the channel list:

1 Press **TV** to select TV mode.

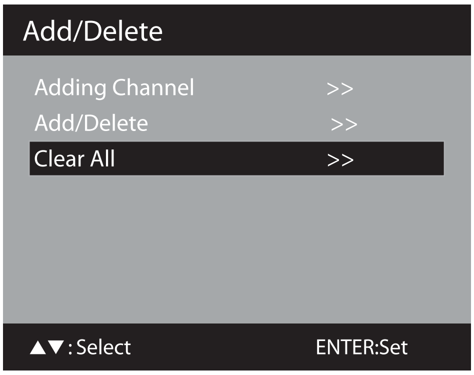
2 Press **TV MENU**. The *Main Menu* opens.


Main Menu
Picture
Audio
Channel >>
Lock
Setup
▲▼: Select
ENTER: Set

3 Press ▲ or ▼ to select **Channel**, then press ▶ or **ENTER**. The *Channel* menu opens.


Channel
Add/Delete >>
DTV Signal >>
Auto Ch Memory >>
Ch Label >>
▲▼: Select
ENTER: Set

4 Press ▲ or ▼ to select **Add/Delete**, then press ▶ or **ENTER**. The *Add/Delete* screen opens.


Add/Delete
Adding Channel >>
Add/Delete >>
Clear All >>
▲▼: Select
ENTER:Set

5 Press ▲ or ▼ to select **Clear All**, then press ▶ or **ENTER**. All channels are deleted from the channel list.

6 Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

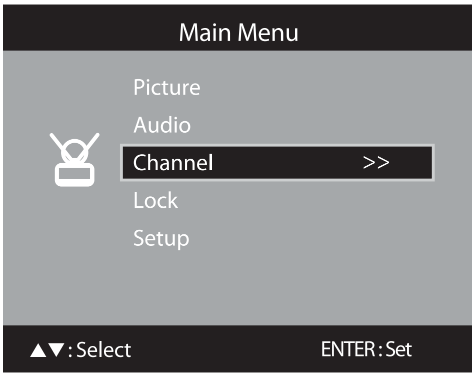
Adding or changing a channel label

A channel label appears with a channel number each time you turn on the TV, select a channel, or press **INFO.** You can add a four-character label to a channel to make it easier to identify.

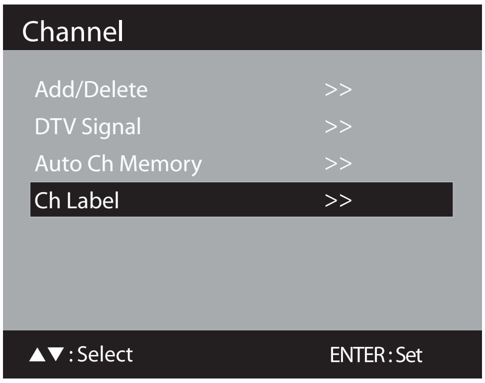
To add or change a channel label:

1 Press **TV** to select TV mode.

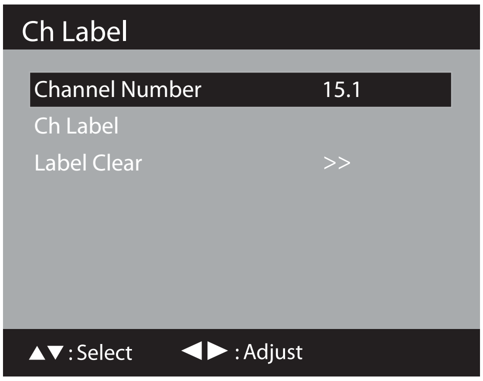
2 Press **TV MENU**. The *Main Menu* opens.


Main Menu
Picture
Audio
Channel >>
Lock
Setup
▲▼: Select
ENTER: Set

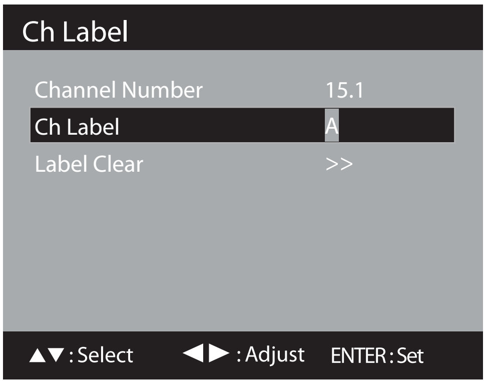
3. Press ▲ or ▼ to select **Channel**, then press ► or **ENTER**. The *Channel* menu opens.


Channel
Add/Delete >>
DTV Signal >>
Auto Ch Memory >>
Ch Label >>
▲▼: Select
ENTER: Set

4. Press ▲ or ▼ to select **Ch Label**, then press ► or **ENTER**. The *Ch Label* screen opens.


Ch Label
Channel Number 15.1
Ch Label
Label Clear >>
▲▼: Select
◄►: Adjust

5. Press ◄ or ► to select the channel you want to label, then press ▼ to highlight **Ch Label**.
6. Press ◄ or ► repeatedly until the first character of the channel label you want appears in the first space, then press **ENTER**.

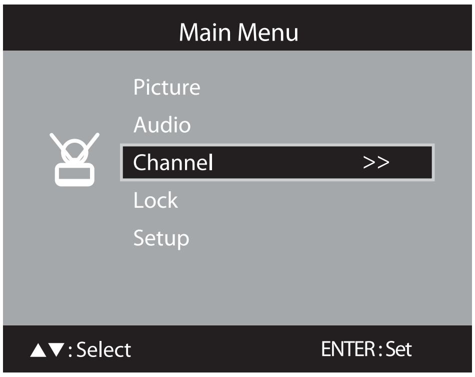

Ch Label
Channel Number 15.1
Ch Label A
Label Clear >>
▲▼: Select
◄►: Adjust
ENTER: Set

7. Repeat the previous step to enter the other three characters of the label.
8. Press **EXIT** to close the menu.

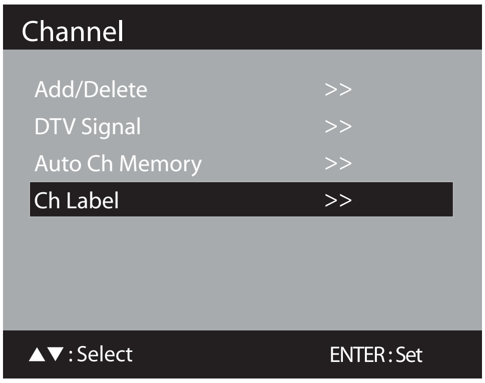
Deleting a channel label

To delete a channel label:

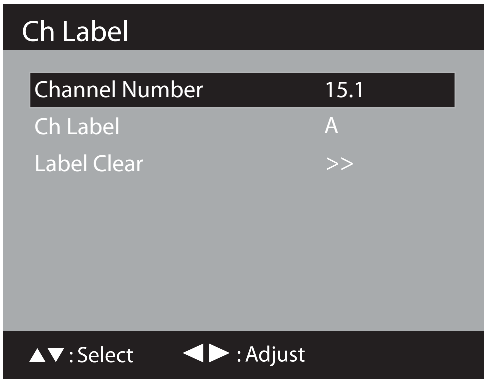
1. Press **TV** to select TV mode.
2. Press **TV MENU**. The *Main Menu* opens.


Main Menu
Picture
Audio
Channel >>
Lock
Setup
▲▼: Select
ENTER: Set

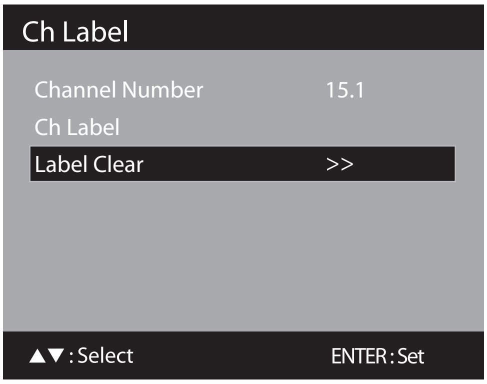
3. Press ▲ or ▼ to select **Channel**, then press ► or **ENTER**. The *Channel* menu opens.


Channel
Add/Delete >>
DTV Signal >>
Auto Ch Memory >>
Ch Label >>
▲▼: Select
ENTER: Set

4. Press ▲ or ▼ to select **Ch Label**, then press ► or **ENTER**. The *Ch Label* screen opens.


Ch Label
Channel Number 15.1
Ch Label A
Label Clear >>
▲▼: Select
◄►: Adjust

5 Press ◄ or ► to select the channel you want to delete the label from, then press ▼ to highlight **Label Clear**.


Ch Label
Channel Number 15.1
Ch Label
Label Clear >>
▲▼: Select
ENTER: Set

6 Press ► or **ENTER**. The label is deleted.

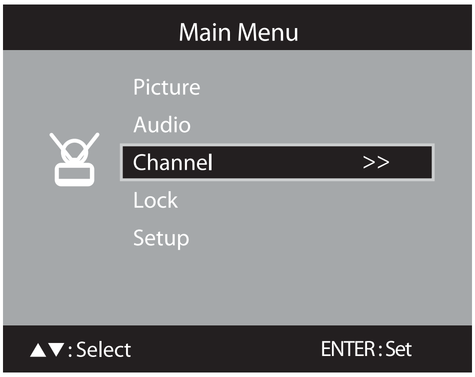
7 Press **EXIT** to close the menu.

Checking the digital-signal strength

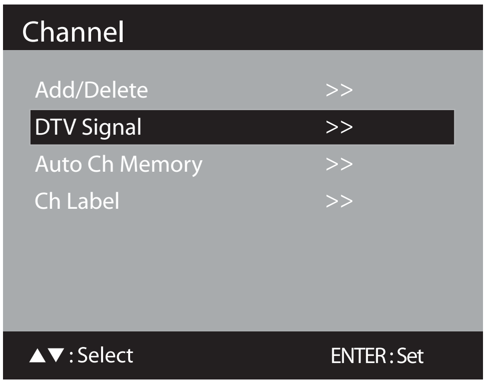
To check the digital-signal strength:

1 Press **TV** to select TV mode.

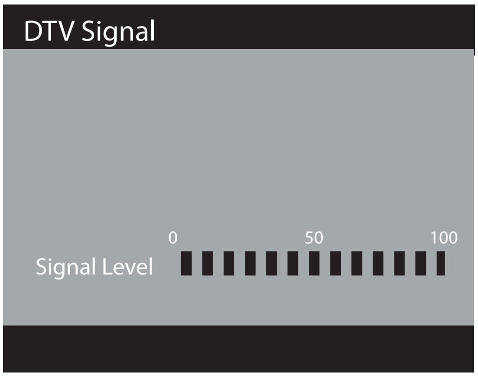
2 Press **TV MENU**. The *Main Menu* opens.


Main Menu
Picture
Audio
Channel >>
Lock
Setup
▲▼: Select
ENTER: Set

3 Press ▲ or ▼ to select **Channel**, then press ► or **ENTER**. The *Channel* menu opens.


Channel
Add/Delete >>
DTV Signal >>
Auto Ch Memory >>
Ch Label >>
▲▼: Select
ENTER: Set

4 Press ▲ or ▼ to select **DTV Signal**, then press ► or **ENTER**. The *DTV Signal* screen opens.


DTV Signal
0
50
100
Signal Level

5 Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Notes

- Signal meter feature is not available for analog channels.
- After 240 seconds, DTV Signal screen disappears and your TV/Blu-ray combo returns to normal viewing.

Setting TV parental controls

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

You can set an age limitation on your TV/Blu-ray combo to restrict children from viewing or hearing violent scenes or pictures that you choose to exclude. The restriction applies to TV ratings and movie ratings if this data is transmitted. You may set this restriction separately.

To use the V-chip feature, you must set and use a password.

Note

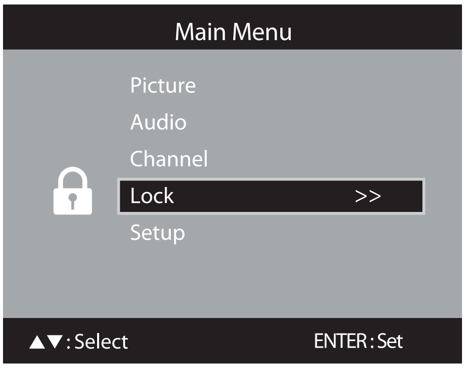
Parental controls for discs must be set from the disc menus. For more information, see “Setting disc parental controls” on page 44.

Setting the password for the first time

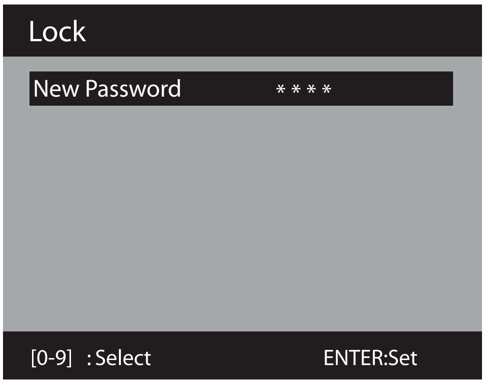
To set the password for the first time:

1 Press **TV** to select TV mode.

2 Press **TV MENU**. The *Main Menu* opens.


Main Menu
Picture
Audio
Channel
Lock >>
Setup
▲▼: Select
ENTER: Set

3. Press ▲ or ▼ to select **Lock**, then press ► or **ENTER**. The *Password* screen opens.


Lock
New Password ****
[0-9] : Select
ENTER:Set

4. Press the number buttons to enter a four-digit password, then press **ENTER**.
5. When a confirmation screen opens, enter the same password again, then press **ENTER**. Your password is set.

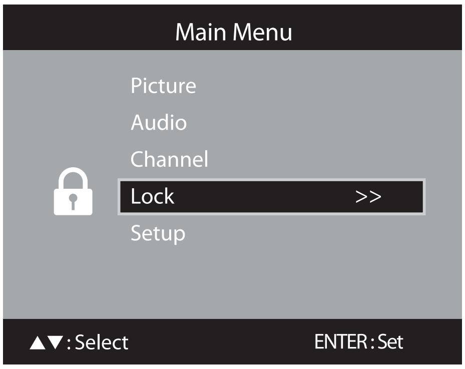
Caution

If you forget the password, enter **9999**. To avoid forgetting the password, write it down and keep in a safe place.

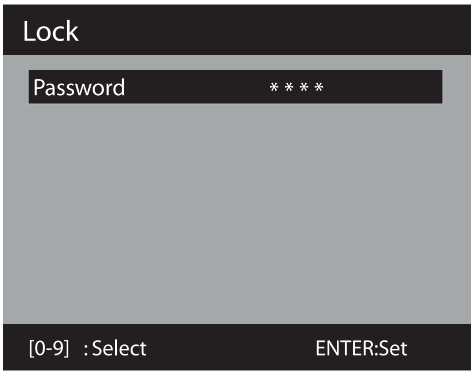
Changing the password

To change the password:

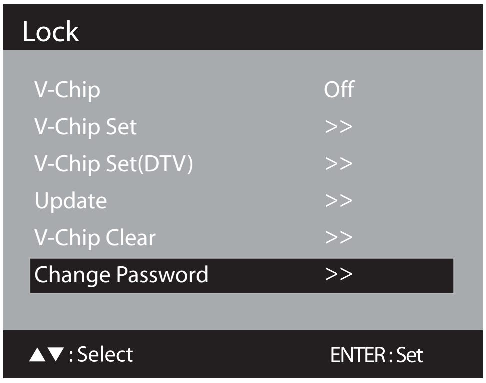
1. Press **TV** to select TV mode.
2. Press **TV MENU**. The *Main Menu* opens.


Main Menu
Picture
Audio
Channel
Lock >>
Setup
▲▼: Select
ENTER: Set

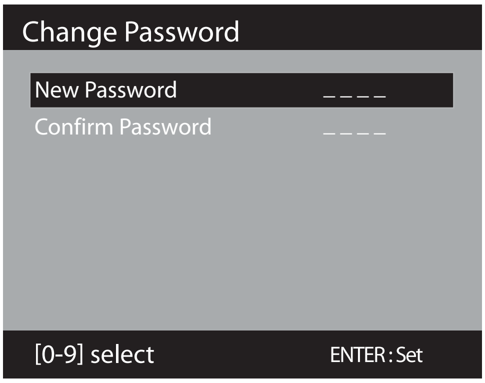
3. Press ▲ or ▼ to select **Lock**, then press ► or **ENTER**. The *Password* screen opens.


Lock
Password ****
[0-9] : Select
ENTER:Set

4. Press the number buttons to enter your four-digit password, then press **ENTER**. The *Lock* menu opens.


Lock
V-Chip Off
V-Chip Set >>
V-Chip Set(DTV) >>
Update >>
V-Chip Clear >>
Change Password >>
▲▼: Select
ENTER: Set

5. Press ▲ or ▼ to select **Change Password**, then press ► or **ENTER**. The *Change Password* screen opens.

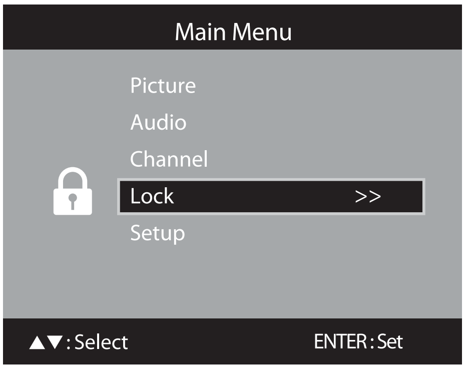

Change Password
New Password _ _ _ _
Confirm Password _ _ _ _
[0-9] select
ENTER: Set

6. Press the number buttons to enter a new four-digit password, then press **ENTER**.
7. When a confirmation screen opens, enter the new password again, then press **ENTER**. Your password is changed.

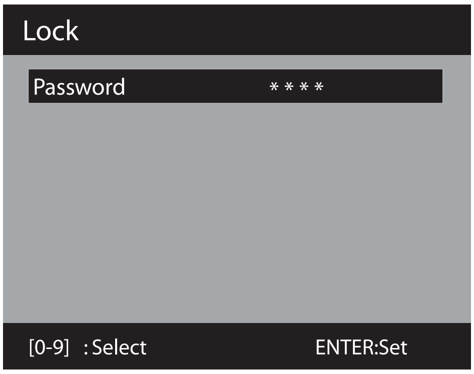
Setting parental control levels

To set parental control levels:

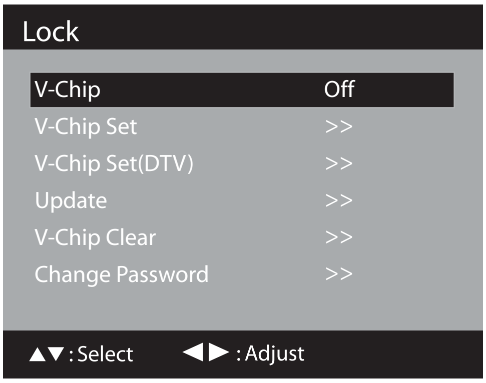
1. Press **TV** to select TV mode.
2. Press **TV MENU**. The *Main Menu* opens.


Main Menu
Picture
Audio
Channel
Lock >>
Setup
▲▼: Select
ENTER: Set

3 Press ▲ or ▼ to select **Lock**, then press ► or **ENTER**. The *Password* screen opens.

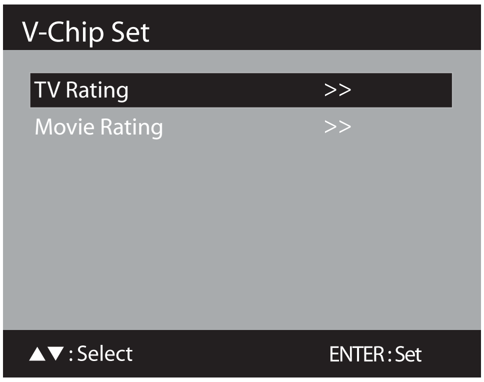

Lock
Password ****
[0-9] : Select
ENTER:Set

4 Press the number buttons to enter your four-digit password, then press **ENTER**. The *Lock* menu opens.

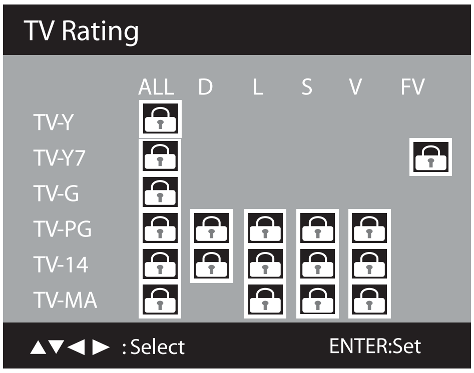

Lock
V-Chip Off
V-Chip Set >>
V-Chip Set(DTV) >>
Update >>
V-Chip Clear >>
Change Password >>
▲▼: Select
◄►: Adjust

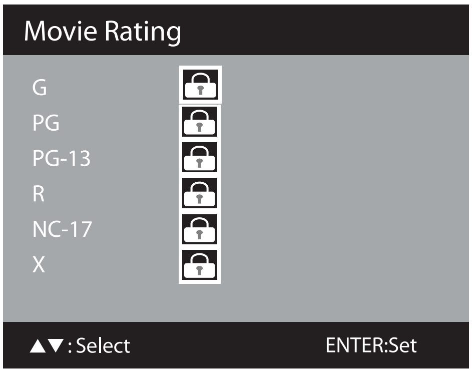
5 Press ▲ or ▼ to select **V-Chip**, then press ◄ or ► to select **On**.

6 Press ▲ or ▼ to select **V-Chip Set**, then press ► or **ENTER**. The *V-Chip Set* menu opens.


V-Chip Set
TV Rating >>
Movie Rating >>
▲▼: Select
ENTER : Set

7 Press ▲ or ▼ to select **TV Rating** or **Movie Rating**, then press ► or **ENTER**. One of the following screens opens.


TV Rating
ALL
D
L
S
V
FV
TV-Y
TV-Y7
TV-G
TV-PG
TV-14
TV-MA
▲▼◄► : Select
ENTER:Set


Movie Rating
G
PG
PG-13
R
NC-17
X
▲▼: Select
ENTER:Set

8 On the *TV Rating* screen, press ▲ ▼ ◄ or ► to select a rating, then press **ENTER**. You can select the following age ratings:

- **TV-Y**—All children
- **TV-Y7**—7 years old and above
- **TV-G**—General audiences
- **TV-PG**—Parental guidance suggested
- **TV-14**—14 years old and above
- **TV-MA**—17 years old and above

Set the following TV ratings based on genre:

- **ALL**—All
- **D**—Dialogue
- **L**—Language
- **S**—Sex
- **V**—Violence
- **FV**—Fantasy Violence

9 On the *Movie Rating* screen, press ▲ or ▼ to select a rating, then press **ENTER**. You can select:

- **G**—All ages
- **PG**—Parental guidance
- **PG-13**—Parental guidance for children under 13 years old
- **R**—Parental guidance for children under 17 years old
- **NC-17**—17 years old and above
- **X**—Adults only

10 Press **EXIT** to close the menu.

> **Note**
> - If you want to watch a blocked program, press **MUTE**, then enter your password. The lock is temporarily unlocked. If you turn off your TV/Blu-ray combo or change the channel, the lock is turned back on.
> - The V-chip feature is activated only on programs and input sources that include a rating signal.

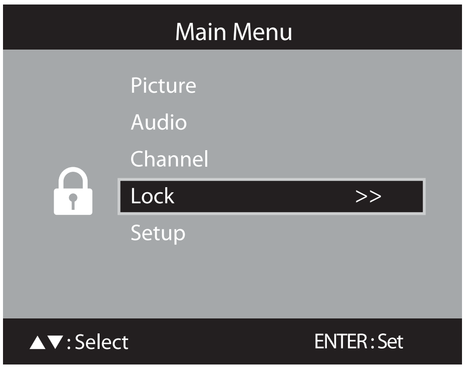
Downloading rating information

As a supplement to the standard V-chip rating system, your TV/Blu-ray combo can download an additional rating system, if such a system becomes available in the future.

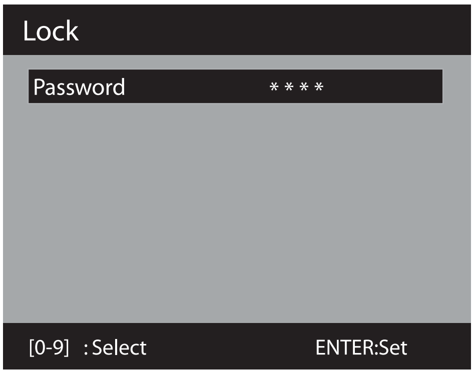
To download rating information:

1 Press **TV** to select TV mode.

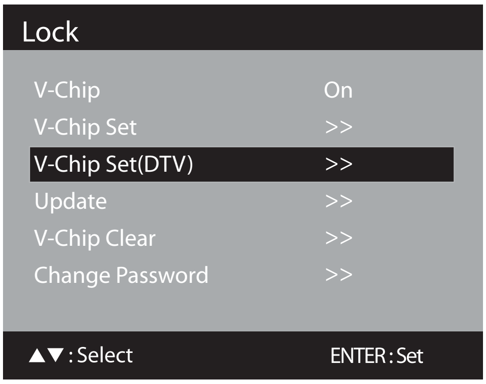
2 Press **TV MENU**. The *Main Menu* opens.


Main Menu
Picture
Audio
Channel
Lock >>
Setup
▲▼: Select
ENTER: Set

3 Press ▲ or ▼ to select **Lock**, then press ▶ or **ENTER**. The *Password* screen opens.


Lock
Password * * * *
[0-9] : Select
ENTER:Set

4 Press the number buttons to enter your four-digit password, then press **ENTER**. The *Lock* menu opens.


Lock
V-Chip On
V-Chip Set >>
V-Chip Set(DTV) >>
Update >>
V-Chip Clear >>
Change Password >>
▲▼: Select
ENTER: Set

5 Press ▲ or ▼ to select **V-Chip Set (DTV)**, then press ▶ or **ENTER**. If the new rating system is available, your TV/Blu-ray combo starts downloading the rating information. The download may take several minutes.

6 To update the rating information, select **Update**, then press ▶ or **ENTER**.

7 Set your preferred level of control using the new rating system.

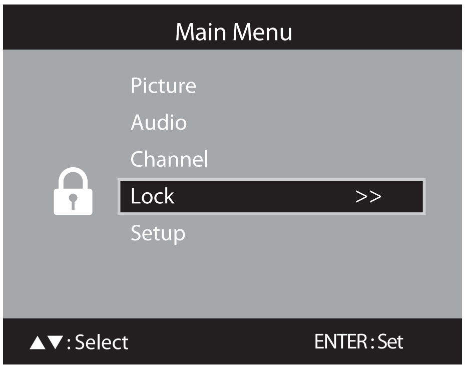
> **Note**
> - You can only download the additional V-chip rating system when your TV is receiving a digital signal.
> - The V-Chip rating information and system are not determined or controlled by your TV/Blu-ray combo.
> - The standard V-chip rating system works with both analog and digital programs.
> - The downloadable V-chip rating system is an evolving technology, and availability, content, and format may vary.

Clearing all parental control settings

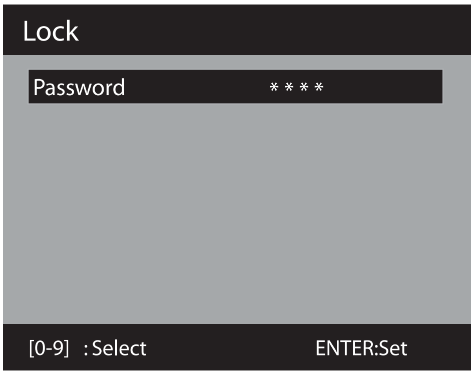
To clear all parental control settings:

1 Press **TV** to select TV mode.

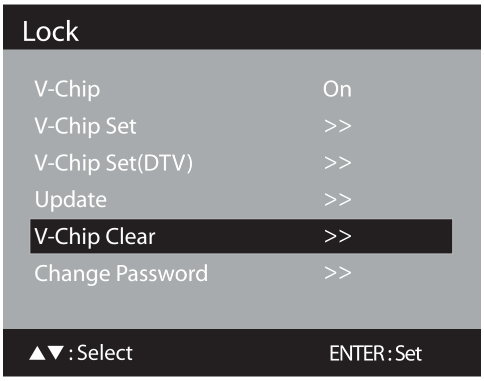
2 Press **TV MENU**. The *Main Menu* opens.


Main Menu
Picture
Audio
Channel
Lock >>
Setup
▲▼: Select
ENTER: Set

3 Press ▲ or ▼ to select **Lock**, then press ▶ or **ENTER**. The *Password* screen opens.


Lock
Password ****
[0-9] : Select
ENTER:Set

4 Press the number buttons to enter your four-digit password, then press **ENTER**. The *Lock* menu opens.


Lock
V-Chip On
V-Chip Set >>
V-Chip Set(DTV) >>
Update >>
V-Chip Clear >>
Change Password >>
▲▼: Select
ENTER: Set

5 Press ▲ or ▼ to select **V-Chip Clear**, then press ▶ or **ENTER**. The password screen opens.

6 Enter your password, then press **ENTER**. All parental controls are reset to the factory defaults.

If you forget your password, you can reset it. Turn the volume all the way down using the **VOLUME–** button on your TV/Blu-ray combo. While pressing **VOLUME–**, press **0** on the remote control for about two seconds. Enter a new password.

Using closed captioning

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

Your TV/Blu-ray combo can decode and display closed-captioned television programs. Closed captioning displays text on the screen for hearing impaired viewers or translates and displays text in another language.

There are two closed-captioning formats:

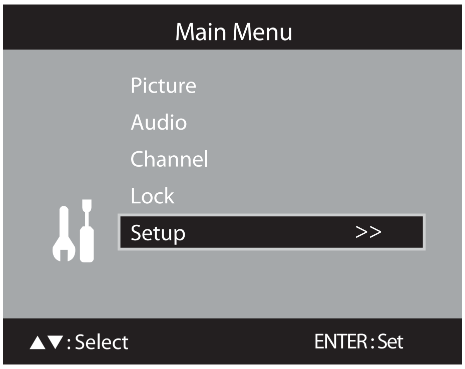
- **Captions**—This closed caption mode displays text in a small box across the bottom of the screen in English or another language. Generally, closed captions in English are transmitted on C1 and closed captions in other languages are transmitted on C2.
- **Text**—This closed caption mode usually fills half of the screen with a programming schedule or other information provided by the broadcaster.

Viewing closed captioning

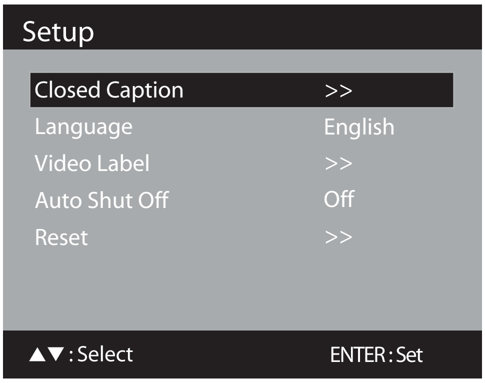
To view closed captioning:

1 Press **TV** to select TV mode.

2 Press **TV MENU**. The *Main Menu* opens.

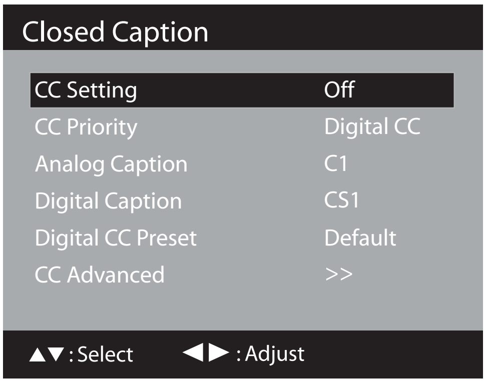

Main Menu
Picture
Audio
Channel
Lock
Setup >>
▲▼: Select
ENTER: Set

3 Press ▲ or ▼ to select **Setup**, then press ▶ or **ENTER**. The *Setup* menu opens.



Closed Caption >>
Language English
Video Label >>
Auto Shut Off Off
Reset >>

4 Press ▲ or ▼ to select **Closed Caption**, then press ▶ or **ENTER**. The *Closed Caption* menu opens.



CC Setting Off
CC Priority Digital CC
Analog Caption C1
Digital Caption CS1
Digital CC Preset Default
CC Advanced >>

5 Press ◀ or ▶ to select **On** to turn on closed captioning.

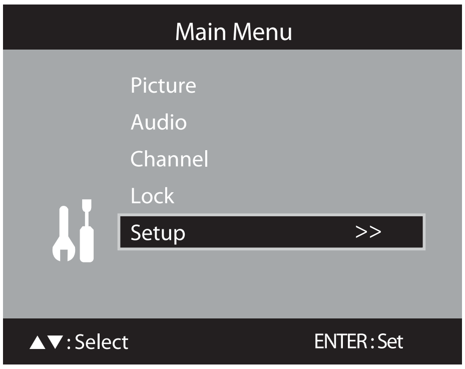
6 Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Selecting the closed captioning mode

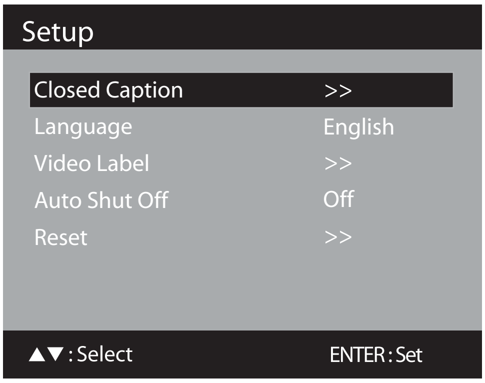
To select the closed captioning mode:

1 Press **TV** to select TV mode.

2 Press **TV MENU**. The *Main Menu* opens.

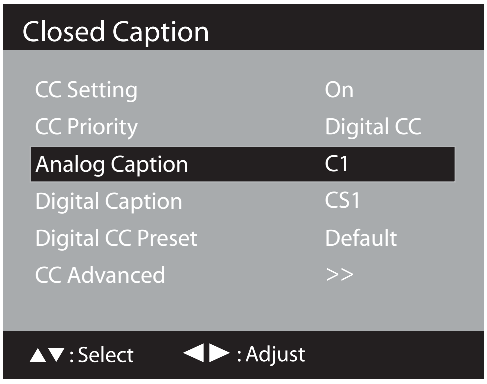


3 Press ▲ or ▼ to select **Setup**, then press ▶ or **ENTER**. The *Setup* menu opens.



Closed Caption >>
Language English
Video Label >>
Auto Shut Off Off
Reset >>

4 Press ▲ or ▼ to select **Closed Caption**, then press ▶ or **ENTER**. The *Closed Caption* menu opens.



CC Setting On
CC Priority Digital CC
Analog Caption C1
Digital Caption CS1
Digital CC Preset Default
CC Advanced >>

5 Press ▲ or ▼ to select **Analog Caption** or **Digital Caption**, then press ◀ or ▶ to select a caption mode. You can select:

- **Analog Caption**—Select **C1**, **C2**, **C3**, **C4**, **T1**, **T2**, **T3**, or **T4**.
- **Digital Caption**—Select **CS1**, **CS2**, **CS3**, **CS4**, **CS5**, and **CS6**.

6 Press ▲ or ▼ to select **CC Priority**, then press ◀ or ▶ to select **Digital CC** or **Analog CC**. Your TV/Blu-ray combo selects the closed caption priority based on your selection. If you select **Digital CC** and the broadcast only has analog closed captioning, your TV/Blu-ray combo displays analog closed captioning.

Note

Depending on the broadcast signal, some analog captions can function with a digital broadcast signal. This step prevents the two types of captions from overlapping.

7 Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Note

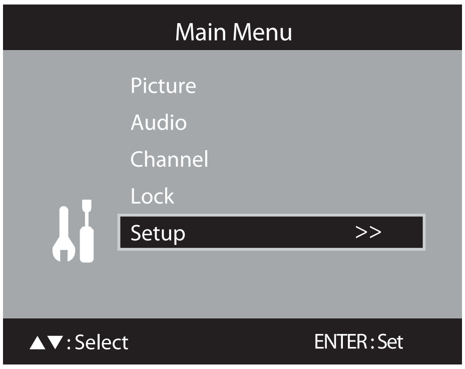
- If the program or video you are watching is not closed captioned, no captions are displayed.
- If text is not available in your viewing area, a black rectangle may appear on-screen. If this happens, set the CC Setting to **Off**.
- When selecting closed captions, the captioning will be delayed about 10 seconds.
- If no closed caption signal is received, no captions appear, but the television remains in the Caption mode.
- Misspellings or unusual characters may occasionally appear during closed captioning. This is normal with closed captioning, especially with live programs. This is because during live programs, captions are entered live. These transmissions do not allow time for editing.
- When captions are being shown, on-screen displays such as volume and mute may be seen but may interfere with closed captions.
- Some cable systems and copy protection systems may interfere with the closed captioned signal.
- If you use an indoor antenna, or if TV reception is poor, the closed caption decoder may not appear or may appear with strange characters or misspelled words. In this case, adjust the antenna for better reception or use an outdoor antenna.

Customizing DTV closed captioning styles

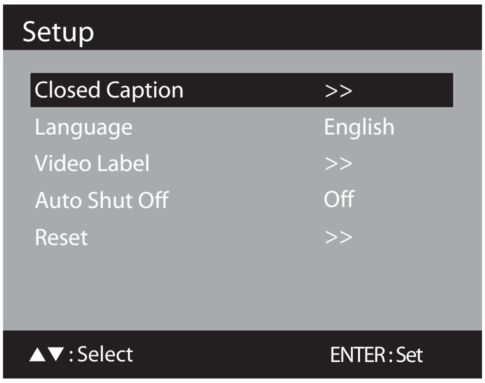
To customize DTV closed captioning styles:

1 Press **TV** to select TV mode.

2 Press **TV MENU**. The *Main Menu* opens.

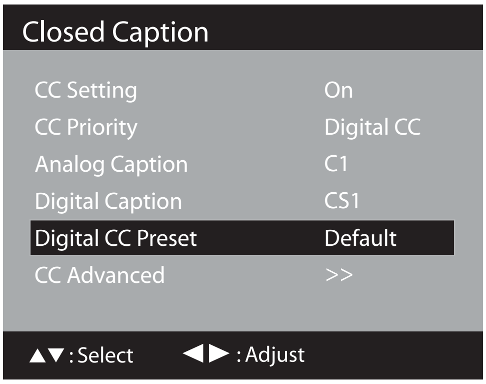


3 Press ▲ or ▼ to select **Setup**, then press ► or **ENTER**. The *Setup* menu opens.



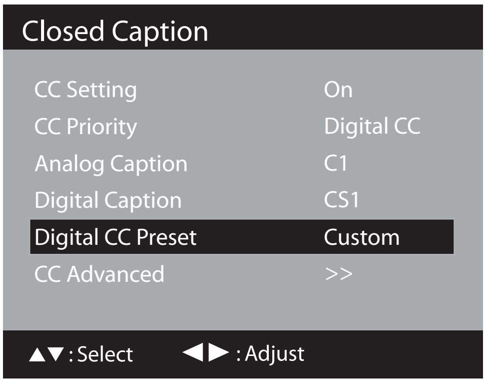
Closed Caption >>
Language English
Video Label >>
Auto Shut Off Off
Reset >>

4 Press ▲ or ▼ to select **Closed Caption**, then press ► or **ENTER**. The *Closed Caption* menu opens.



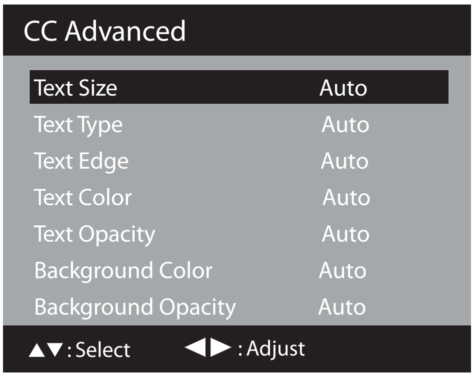
CC Setting On
CC Priority Digital CC
Analog Caption C1
Digital Caption CS1
Digital CC Preset Default
CC Advanced >>

5 Press ▲ or ▼ to select **Digital CC Preset**, then press ◄ or ► to select **Custom**.



CC Setting On
CC Priority Digital CC
Analog Caption C1
Digital Caption CS1
Digital CC Preset Custom
CC Advanced >>

6 Press ▲ or ▼ to select **CC Advanced**, then press ► or **ENTER**. The *CC Advanced* menu opens.



Text Size Auto
Text Type Auto
Text Edge Auto
Text Color Auto
Text Opacity Auto
Background Color Auto
Background Opacity Auto

7 Press ▲ or ▼ to select a setting, then press ◄ or ► to adjust the setting. You can select:

- **Text Size**—Select **Auto**, **Small**, **Standard**, or **Large**.
- **Text Type**—Select **Auto**, **Style1**, **Style2**, **Style3**, **Style4**, **Style5**, **Style6**, or **Style7**.
- **Text Edge**—Select **Auto**, **None**, **Raised**, **Depressed**, **Uniform**, **Left Shadow**, or **Right Shadow**.
- **Text Color**—Select **Auto**, **Black**, **White**, **Red**, **Green**, **Blue**, **Yellow**, **Magenta**, or **Cyan**.
- **Text Opacity**—Select **Auto**, **Solid**, **Transparent**, **Translucent**, or **Flashing**.

- **Background Color**—Select **Auto**, **Black**, **White**, **Red**, **Green**, **Blue**, **Yellow**, **Magenta**, or **Cyan**.
- **Background Opacity**—Select **Auto**, **Solid**, **Transparent**, **Translucent**, or **Flashing**.

8 Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Notes

- You cannot set both the **Text Color** and **Background Color** to the same color.
- You cannot set both **Text Opacity** and **Background Opacity** to **Transparent**.

Adjusting time settings

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

Setting the sleep timer

To set the sleep timer:

- Press **SLEEP** to turn off your TV/Blu-ray combo after a specified interval. The interval increases each time you press **SLEEP**. You can select **Off**, **0h 5m**, **0h 10m**, **0h 15m**, **0h 30m**, and on up to **4h 0m**.

  To see how much time is remaining, press **SLEEP**. The remaining time is displayed for a few seconds. To cancel the sleep timer, press **SLEEP** repeatedly until **Off** appears.

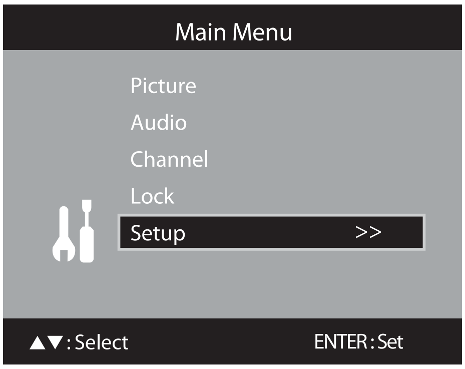
Setting automatic shut off

The **Auto Shut Off** feature automatically turns off your TV/Blu-ray combo after 15 minutes if the station being viewed stops broadcasting and you do not press buttons on your TV/Blu-ray combo or remote control during that time.

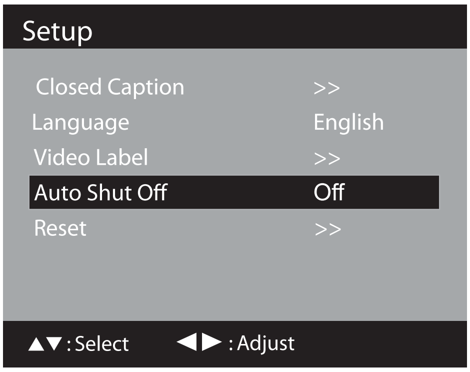
To set automatic shut off:

1 Press **TV** to select TV mode.

2 Press **TV MENU**. The *Main Menu* opens.



3 Press ▲ or ▼ to select **Setup**, then press ▶ or **ENTER**. The *Setup* menu opens.



Closed Caption >>
Language English
Video Label >>
Auto Shut Off Off
Reset >>

4 Press ▲ or ▼ to select **Auto Shut Off**, then press ◀ or ▶ to select **On** or **Off**.

5 Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Adjusting menu settings

Note

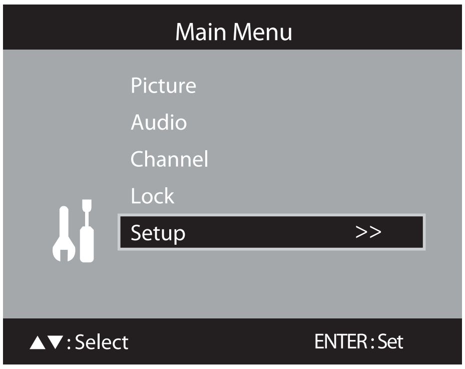
Unless otherwise noted, all tasks in this section are based on using the remote control.

Selecting the on-screen menu language

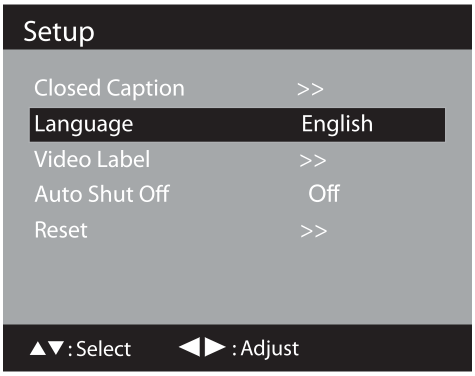
To select the on-screen menu language:

1 Press **TV** to select TV mode.

2 Press **TV MENU**. The *Main Menu* opens.



3 Press ▲ or ▼ to select **Setup**, then press ▶ or **ENTER**. The *Setup* menu opens.



Closed Caption >>
Language English
Video Label >>
Auto Shut Off Off
Reset >>

4 Press ▲ or ▼ to select **Language**, then press ◄ or ► to select **English**, **Français**, or **Español**.

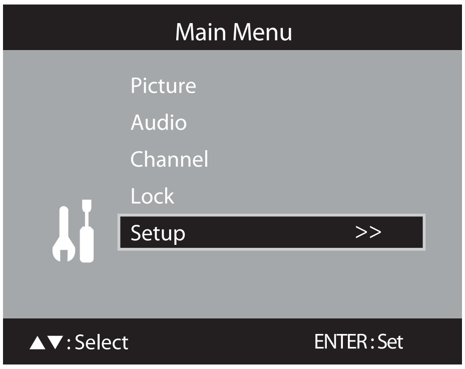
5 Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Labeling an input source

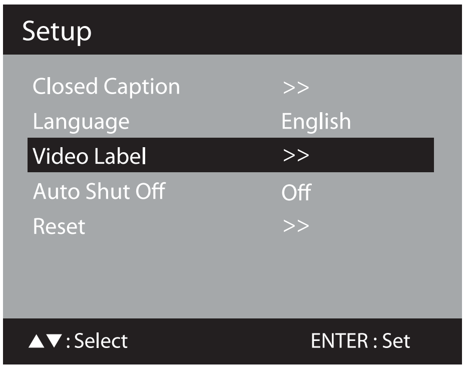
To label an input source:

1 Press **TV** to select TV mode.

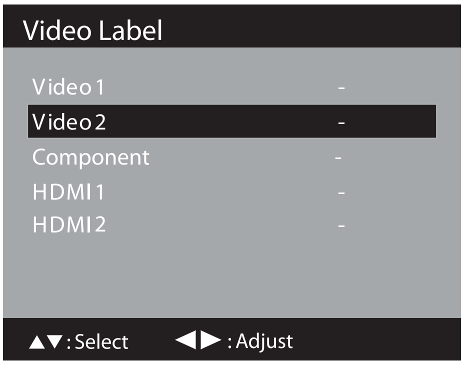
2 Press **TV MENU**. The *Main Menu* opens.


Main Menu
Picture
Audio
Channel
Lock
Setup >>
▲▼: Select
ENTER: Set

3 Press ▲ or ▼ to select **Setup**, then press ► or **ENTER**. The *Setup* menu opens.


Setup
Closed Caption >>
Language English
Video Label >>
Auto Shut Off Off
Reset >>
▲▼: Select
ENTER : Set

4 Press ▲ or ▼ to select **Video Label**, then press ► or **ENTER**. The *Video Label* menu opens.


Video Label
Video1 -
Video2 -
Component -
HDMI1 -
HDMI2 -
▲▼: Select
◄►: Adjust

5 Press ▲ or ▼ to select the video input you want to label, then press ◄ or ► to select to select a label. You can select:

- **VCR**—Video cassette recorder
- **DVD**—DVD video
- **DTV**—Digital TV set-top box
- **SAT**—Satellite box
- **CABLE**—Cable box
- **HD**—HDMI device (only for HDMI inputs)

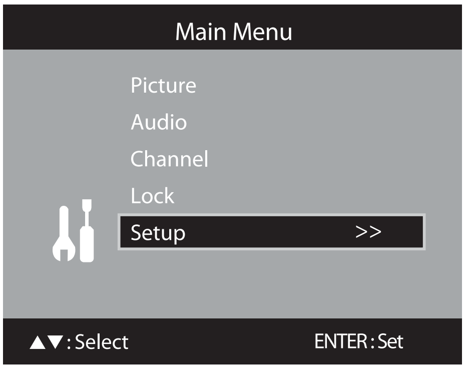
6 Press **TV MENU** to return to the previous menu, or press **EXIT** to close the menu.

Resetting settings to the defaults

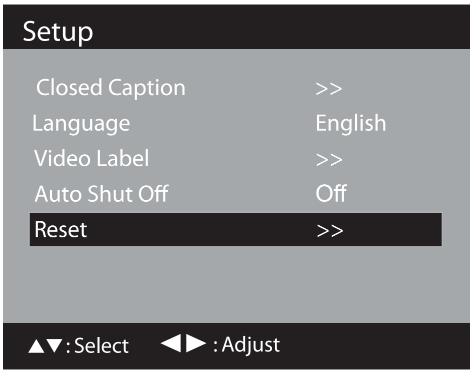
To reset settings to the defaults:

1 Press **TV** to select TV mode.

2 Press **TV MENU**. The *Main Menu* opens.


Main Menu
Picture
Audio
Channel
Lock
Setup >>
▲▼: Select
ENTER: Set

3 Press ▲ or ▼ to select **Setup**, then press ► or **ENTER**. The *Setup* menu opens.


Setup
Closed Caption >>
Language English
Video Label >>
Auto Shut Off Off
Reset >>
▲▼: Select
◄►: Adjust

4 Press ▲ or ▼ to select **Reset**, then press ► or **ENTER**. Reset appears on the screen for about three seconds, then your TV/Blu-ray combo returns to normal viewing.

Note

MTS, **HDMI1 Audio**, **Speakers**, **Audio Language**, **Digital Audio Mode**, and **Picture Size** are not reset by this procedure.

Using the Blu-ray Disc player

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

Playable discs

Disc type	Logo	Disc type	Logo
Blu-ray Disc	Blu-ray Disc™	DTS-CD	
DVD-VIDEO	DVD VIDEO	MP3/WMA/ JPEG/Data CD	
DVD-RW	DVD RW	DVD-R	DVD R
Audio CDs (CDDA)	COMPACT disc DIGITAL AUDIO		

Notes

- Writeable DVDs (DVD-RW or DVD-R) must be finalized (Video Format only).
- Playback may not work for some types of discs, or when specific operations, such as changing the angle or aspect ratio, are being performed. Information about the disc is on the disc or disc packaging.
- Do not let the disc become dirty or scratched. Fingerprints, dirt, dust, scratches, or cigarette smoke on the recording surface may make it impossible to use the disc for playback.
- Your TV/Blu-ray combo can play CD-Rs, CD-RWs, DVD-RWs, and DVD-Rs recorded with UDF or ISO9660 format.
- Your TV/Blu-ray combo can play MP3and WMA files. MP3 files must have an .mp3 file extension and WMA files must have a .wma file extension, or your TV/Blu-ray combo may not play them correctly.
- High bit-rate or variable bit-rate .mp3 and .wma files may not play back correctly.
- JPEG picture files must have a .jpeg or .jpg file extension, or your TV/Blu-ray combo may not play them correctly.
- Kodak Picture CD and DVD KARAMOK discs may be incompatible.
- Repeat does not work with MP3/WMA CDs.
- Hybrid CDs cannot be played back.

Region codes

Blu-ray Discs and DVDs have region codes to help prevent illegal distribution of discs. If the disc's region code does not match your TV/Blu-ray combo's region code, the disc will not play.

Your TV/Blu-ray combo's region code is displayed on the back of your TV/Blu-ray combo. The disc's region code is displayed on the disc or disc packaging.

Playing a disc

To play a disc:

1. Turn on your TV/Blu-ray combo, wait 30 seconds, then press **BD** to switch to Blu-ray mode.
2. Insert a disc in the disc slot with the label (if the disc has one) facing forward. Hold the disc without touching either of its surfaces, align it with the guides, and gently push it in.

Note

If a Disc is inserted during some modes other than Blu-ray mode, it may switch to Blu-ray mode and start playback automatically.

3. If the disc does not start playing automatically, press **PLAY** ►.
4. If a Blu-ray Disc or DVD menu opens, press or ▲ ▼ ◄ or ► to select **PLAY**, then press **ENTER**.
5. To eject the disc, press **EJECT** ⏏.

Note

Your TV/Blu-ray combo can wake and eject a disc when you press **EJECT** while in standby mode. However, when some discs (related to BD-LIVE) are inserted, ejecting a disc while is standby mode will not work.

Using Media Launcher

When you connect a USB drive and turn on your TV/Blu-ray combo, the *Media Launcher* menu appears at the top of the screen. On the *Media Launcher* menu, you can select the optical disc tray or a connected USB device for playback.

Note

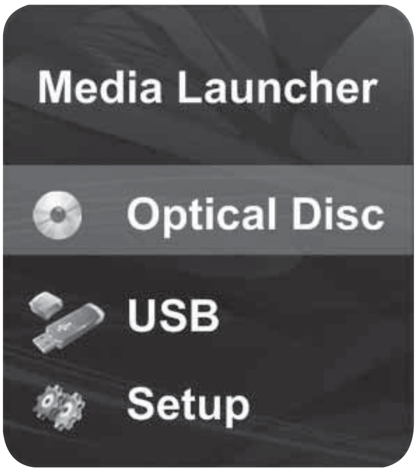
At least one available media type must be in your TV/Blu-ray combo for *Media Launcher* menu to appear.

Caution

Compatible USB deivces are flash memory. Some USB devices may not be recognized correctly. Insignia does not garantee compatiblity with all mass storage devices and assumes no responsibility for any loss of data that may occur with a device is connected to your TV/Blu-ray combo.

To select the playback source:

1. Turn on your TV/Blu-ray combo. *Media Launcher* opens.
2. Press **BD** to switch to Blu-ray mode.



3 Press ▲ or ▼ to select **Optical Disc** or **USB**, then press **ENTER**.

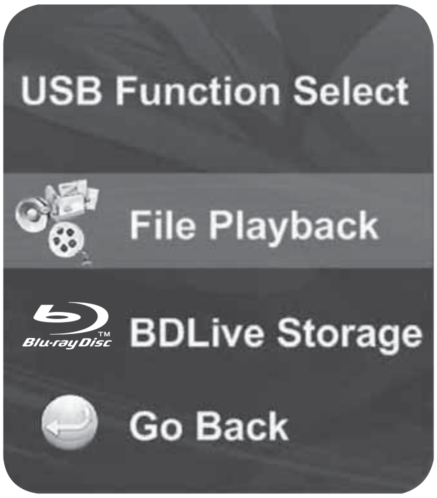
Note

- To select **Optical Disc**, a disc must be in the disc tray. To select **USB**, a USB drive must be connected to your TV/Blu-ray combo.

After selecting USB from the *Media* Launcher menu, your TV/Blu-ray combo automatically starts the system update procedure if the USB drive contains system update files. If system update files are not detected the first time you connect the USB drive, your TV/Blu-ray combo opens the *USB Function Select* menu, as shown in Step 3.

4 If the *USB Function Select* menu opens, press ▲ or ▼ to select an option, then press **ENTER**. You can select:

- **File Playback**—Opens the *DISC NAVIGATOR MENU* and lets you select the type of files you want to play. See “Playing MP3 or WMA files” on page 38 and “Viewing JPEG files” on page 39.
- **BDLive Storage**—Uses the USB drive for Blu-ray player’s virtual file system (VFS).
- **Go Back**—Returns to the *Media Launcher* menu.



Note

- If you want to use the USB drive for storage, you must select **BDLive Storage** each time you turn off then turn on your TV/Blu-ray combo.
- To use the BDLive feature, you must select **BDLive Storage** and you must be connected to the Internet.
- The time it takes to access and download BDLive information depends on your connection speed and the file size.
- To play files in HD-format, use a USB 2.0 flash drive.

Controlling disc playback

To control disc playback:

- To pause playback, press **PAUSE** ‖. Press this button or **PLAY** ▶ to resume normal playback.
- To stop playback, press **STOP** ■. If you press this button once then press **PLAY** ▶, playback resumes from where it stopped. If you press this button twice then press **PLAY** ▶, playback begins at the beginning of the disc. During BD JAVA playback, press **STOP** ■, then press **PLAY** ▶. Playback begins at the beginning of the disc.

Notes

Not all Blu-ray Discs support the resume feature.

- To fast forward or fast reverse, press **SEARCH** ▶▶ or **SEARCH** ◀◀. Each time you press one of these buttons, the fast-forward or fast-reverse speed increases from Fast X2, Fast X4, Fast X8, Fast X16, Fast X32, Fast X64, to Fast X128. Press **PLAY** ▶ to resume normal playback.
- To go to the beginning of the current chapter or track, press **SKIP** ⏮ once. To go to the previous chapter or track, press **SKIP** ⏮ twice.
- To go to the next chapter or track, press **SKIP** ⏭.
- To advance the Blu-ray Disc or DVD forward one step at a time, press **PAUSE** ‖, then press **STEP**. Each time you press **STEP**, the disc advances one frame. Press **PLAY** ▶ to resume normal playback.
- To open a popup menu that lets you control Blu-ray Disc playback, press **POPUP MENU/TITLE**, press ◀ ▶ ▲ or ▼ to select an option, then press **ENTER**.
- To open a DVD’s menu, press **POPUP MENU/TITLE**.

Note

If ⊘ appears on the screen, the operation you are trying is not allowed by your TV/Blu-ray combo or the disc. For example, most discs will not let you fast forward through the warning information at the beginning of a title.

Displaying disc information

To display disc information:

1 While a disc is playing, press **INFO**. Each time you press this button, the display changes as follows:

- Title Elapsed (first button press)
- Title Remain (second button press)
- Chapter Elapsed (third button press)
- Chapter Remain (forth button press)

2 Press **INFO.** again to close the display.

Note

This display disappears at title change in DVD or Blu-ray Disc playback.

Repeating a title or chapter

To repeat a title or chapter:

- Press **REPEAT**. The first time you press this button, your TV/Blu-ray combo repeats the current title. The second time you press this button, your TV/Blu-ray combo repeats the current chapter. The third time you press this button, your TV/Blu-ray combo resumes normal playback.

Creating a playback loop

To create a playback loop:

1. Play the disc until it reaches the starting point for the loop, then press **A-B**.
2. Play the disc until it reaches the stopping point for the loop, then press **A-B** again. Your TV/Blu-ray combo plays the loop continuously.
3. Press **A-B** again to close the loop and resume normal playback.

Selecting the audio language

Some discs are recorded with multiple audio languages.

To select the audio language:

- Press **AUDIO:X** of **X XXX** appears. The first **X** indicates the number for the current audio language. The next **X** indicates the total number of audio languages. **XXX** is a description of the current audio language.

Note

This option is only used with DVD/BD discs that have this function.

Searching for a title, chapter, or elapsed time

To search for a title, chapter, or elapsed time:

1. Press **T.SEARCH** one or more times to select:
   - **Title: - - -** (first button press)
   - **Chapter: - - -** (second button press)
   - **Time: --: -- : --** (third button press)
2. Press the number buttons to enter the title number, chapter number, or amount of elapsed time, then press **ENTER**. Your TV/Blu-ray combo goes to the title, chapter, or elapsed time you specified.

Using subtitles

To use subtitles:

- Press **SUBTITLE** one or more times to select a language. **SUBTITLE: X of XX XXX** appears on the screen. The first **X** indicates the number for the current language. **XX** indicates the total number of languages available. **XXX** indicates the number for the country. (The number of languages depends on the disc.)

Selecting a viewing angle

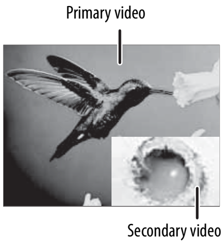
Some Blu-ray Discs and DVDs have scenes recorded from multiple viewing angles.

To select a viewing angle:

- Press **ANGLE** one or more times. **ANGLE:X** of **X** appears on the screen. The first **X** indicates the current viewing angle. The second **X** indicates the total number of viewing angles.

Using PIP (picture-in-picture) mode

Some Blu-ray Discs and DVDs are compatible with picture-in-picture (PIP) mode. In PIP mode, the primary video is displayed on the full screen, and the secondary video is displayed in a small window.



See the documentation that came with the disc for playback instructions.

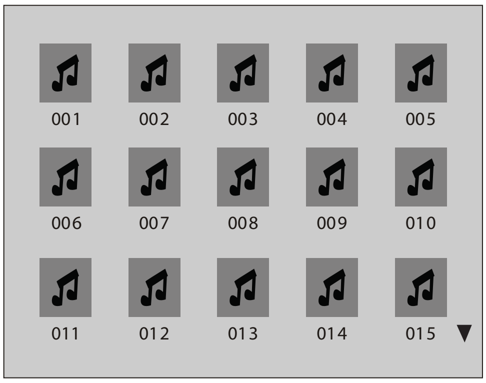
To use PIP mode:

1. Press **PIP** to turn PIP mode on or off.
2. If PIP mode is on, press **SECONDARY AUDIO** to turn the audio for the video in the PIP window on or off.

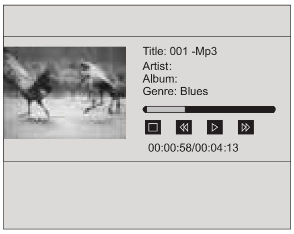
Playing MP3 or WMA files

To play MP3 or WMA files:

1. Insert a disc that contains MP3 or WMA files. A menu opens.



2 Press ▲ ▼ ◀ or ▶ to select the file you want to play, then press **ENTER**. The file plays and information about the file appears.



Title: 001 -Mp3
Artist:
Album:
Genre: Blues
00:00:58/00:04:13

Note

You can also press **DISC MENU** to open a popup menu, press ▲ or ▼ to select **Play**, then press **ENTER** to start playback.

Controlling MP3 or WMA playback

To control MP3 or WMA playback:

- To pause playback, press **PAUSE** ⏸.
- To stop playback, press **STOP** ■.
- To fast forward or fast reverse, press **SEARCH** ▶▶ (forward) or **SEARCH** ◀◀ (reverse).
- Within four seconds of starting playback of a file, press **SKIP** ⏮ to go to the previous file. After four seconds of playback, press **SKIP** ⏮ to go to the beginning of the file and press **SKIP** ⏮ again to go to the previous file. Each press of **SKIP** ⏭ skips the current file and plays to the next file.
- To return to the previous menu, press **RETURN**.
- To open a menu that lets you control playback, press **DISC MENU**. The Disc menu only works when MP3 or WMA files are not playing.

Creating an MP3 or WMA file playlist

To create an MP3 or WMA playlist:

1 Stop MP3 or WMA playback.

2 Press **DISC MENU**. A popup menu opens.

3 Press ▲ or ▼ to select **Playlist**, then press ▶.

4 Press ▲ or ▼ to select **Add to Playlist**, then press ▶.

5 Press ▲ or ▼ to select:

- **This**—Adds the current file to the playlist.
- **All**—Adds all files to the playlist.
- **Select**—Adds the selected files to the playlist.

6 Press **ENTER** to confirm your selection.

Viewing an MP3 or WMA playlist

To view a playlist:

1 Press **DISC MENU**. A popup menu opens.

2 Press ▲ or ▼ to select **Playlist**, then press ▶.

3 Press ▲ or ▼ to select **View Playlist**, then press **ENTER**.

Deleting a file from an MP3 or WMA playlist

To delete a file from an MP3 or WMA playlist:

1 Stop playback.

2 Press **DISC MENU**, press ▲ or ▼ to select **Playlist**, then press ▶.

3 Select **Remove From Playlist**, then press ▶.

4 Press ▲ or ▼ to select:

- **This**—Deletes the current file from the playlist.
- **All**—Deletes all files from the playlist.
- **Select**—Deletes the selected files from the playlist.

5 Press **ENTER** to confirm your selection.

Controlling MP3 or WMA playlist playback

To control MP3 or WMA playlist playback:

- To play a playlist, press **DISC MENU**, press ▲ or ▼ to select **Play**, then press **ENTER**.
- To set the play mode, press **DISC MENU**, select **Set Play Mode**. Press ▶, then select **Normal** or **Shuffle**. **Normal** plays the files in the order they were added to the list. **Shuffle** plays the files in random order.
- To set the audio mode, press **DISC MENU**, select **Set Audio Mode**, press ▶ to select **None**, **Repeat**, or **Loop**. **None** plays the files in the order they were added to the list, and when the last file plays, playback stops. **Repeat** repeats the current file. **Loop** plays the files in the order they were added to the list, and when the last file plays, playback begins again with the file at the beginning of the list.

Viewing JPEG files

To view JPEG files:

1 Insert a disc with JPEG files into your TV/Blu-ray combo.

2 Press ◀ ▶ ▲ or ▼ to select the file you want to view, then press **ENTER**.

Viewing JPEG properties

To view JPEG properties:

1 Select a file you want to view properties for.

2 Press **DISC MENU**. A popup menu opens.

3 Press ▲ or ▼ to select **Properties**, then press **ENTER**. Properties for the file, such as camera model and resolution, appear.

Controlling JPEG playback

To control JPEG playback:

- To go to the next or previous file, press **SKIP** ⏭ or **SKIP** ⏮.
- To return to the previous menu, press **RETURN**.

Viewing JPEG files in a slide show

To view JPEG files in a slide show:

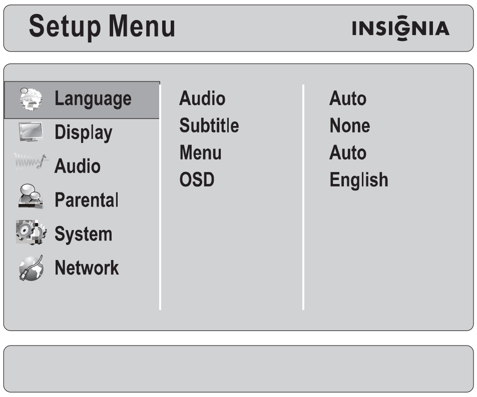
1. Press **DISC MENU**. A popup menu opens.
2. Press ▲ or ▼ to select **Start Slide Show**, then press ▶. A popup menu opens with a list of effects you can choose for the slide show.
3. Press ▲ or ▼ to select **Blend**, **Film**, **Shutter**, **Fade**, **Curtain**, or **None**, then press **ENTER**. The slide show starts.
4. To change the slide show effect, press **DISC MENU**, then press ▲ or ▼ to select **Slide Show Effect**. Press ▶, press ▲ or ▼ to select an effect, then press **ENTER**.

Selecting the audio language

If the disc was recorded with multiple audio languages, you can select the language.

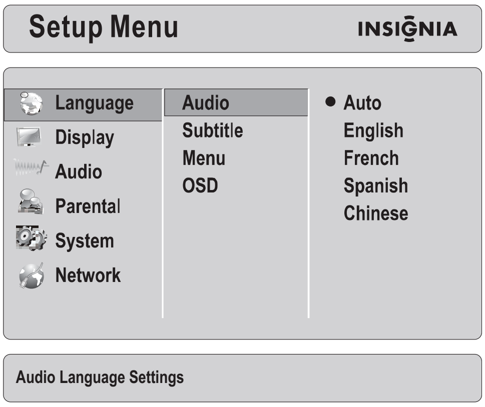
To select the audio language:

1. Press **BD** to switch to Blu-ray mode.
2. Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network

Audio	Auto
Subtitle	None
Menu	Auto
OSD	English

3. Press ▲ or ▼ to select **Language**, then press ▶ to move to the list of options.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Audio
Subtitle
Menu
OSD
● Auto
English
French
Spanish
Chinese
Audio Language Settings

4. Press ▲ to select **Audio**, then press ▶ to move to the list of languages.
5. Press ▲ or ▼ to select a language, then press **ENTER**.
6. Press ◀ to save your selection and return to the previous menu level.

   Or

   Press **SETUP** to close the *Setup Menu*.

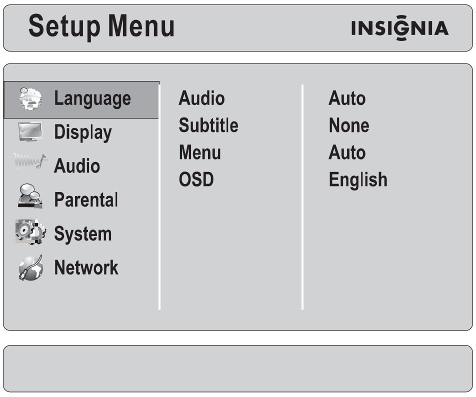
Note

- Not all languages are available on a disc.
- Some discs require that you select the audio language from the disc menu.

Selecting the subtitle language

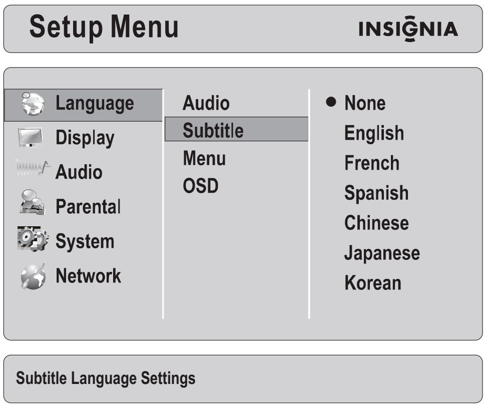
To select the subtitle language:

1. Press **BD** to switch to Blu-ray mode.
2. Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network

Audio	Auto
Subtitle	None
Menu	Auto
OSD	English

3. Press ▲ or ▼ to select **Language**, then press ▶ to move to the list of options.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Audio
Subtitle
Menu
OSD
● None
English
French
Spanish
Chinese
Japanese
Korean
Subtitle Language Settings

4. Press ▲ or ▼ to select **Subtitle**, then press ▶ to move to the list of languages.
5. Press ▲ or ▼ to select a language, then press **ENTER**.
6. Press ◀ to save your selection and return to the previous menu level.

   Or

   Press **SETUP** to close the *Setup Menu*.

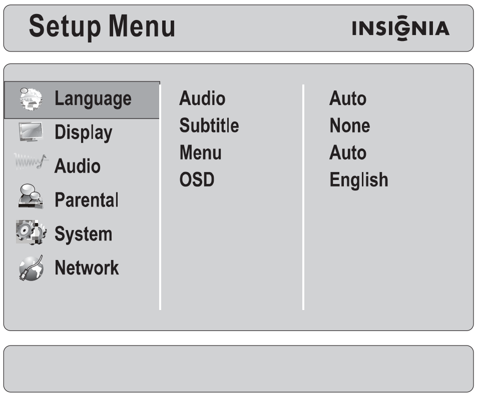
Note

- Not all languages are available on a disc.
- Some discs require that you select the subtitle language from the disc menu.

Selecting the menu language for a disc

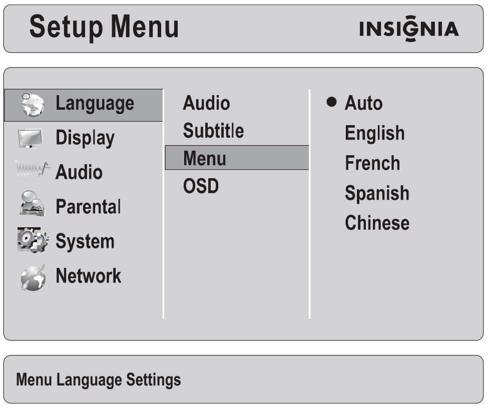
To select the menu language:

1. Press **BD** to switch to Blu-ray mode.
2. Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network

Audio Auto
Subtitle None
Menu Auto
OSD English

3. Press ▲ or ▼ to select **Language**, then press ▶ to move to the list of options.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Audio
Subtitle
Menu
OSD

● Auto
English
French
Spanish
Chinese

Menu Language Settings

4. Press ▲ or ▼ to select **Menu**, then press ▶ to move to the list of languages.
5. Press ▲ or ▼ to select a language, then press **ENTER**.
6. Press ◀ to save your selection and return to the previous menu level.

   Or

   Press **SETUP** to close the *Setup Menu*.

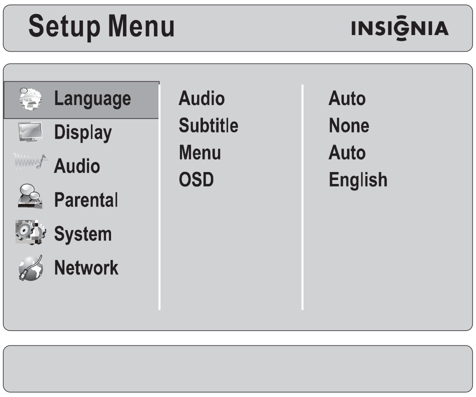
Note

- Not all languages are available on a disc.
- Most discs only have one menu language.

Selecting the on-screen menu language

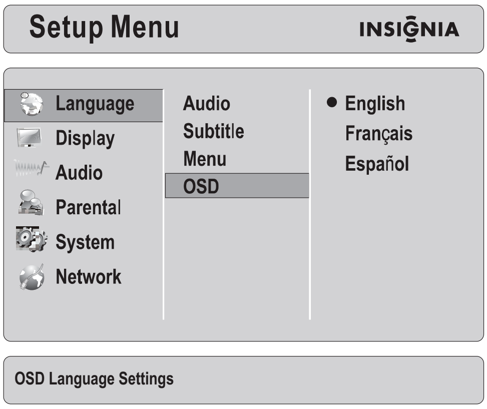
To select the on-screen menu language:

1. Press **BD** to switch to Blu-ray mode.
2. Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network

Audio Auto
Subtitle None
Menu Auto
OSD English

3. Press ▲ or ▼ to select **Language**, then press ▶ to move to the list of languages.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Audio
Subtitle
Menu
OSD

● English
Français
Español

OSD Language Settings

4. Press ▼ to select **OSD**, then press ▶ to move to the list of languages.
5. Press ▲ or ▼ to select a language, then press **ENTER**.
6. Press ◀ to save your selection and return to the previous menu level.

   Or

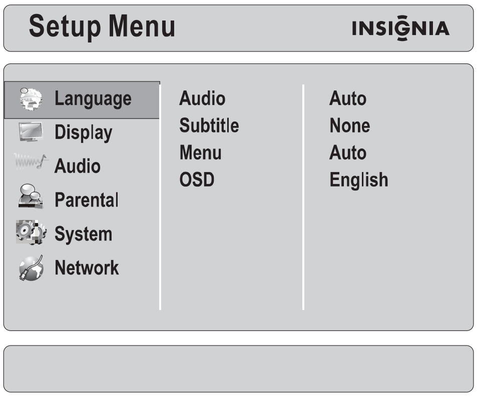
   Press **SETUP** to close the *Setup Menu*.

Selecting the aspect ratio

To adjust the aspect ratio:

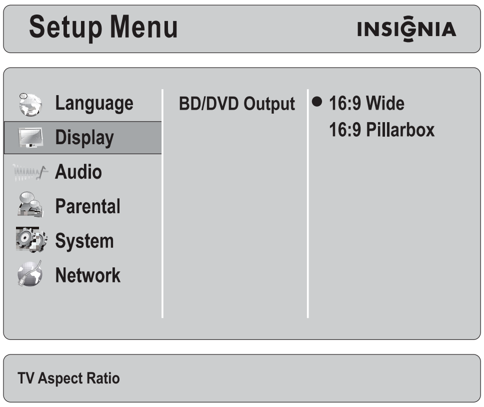
1 Press **BD** to switch to Blu-ray mode.

2 Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network

Audio Auto
Subtitle None
Menu Auto
OSD English

3 Press ▲ or ▼ to select **Display**, then press ▶ to move to the list of options.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
TV Aspect Ratio

BD/DVD Output ● 16:9 Wide
16:9 Pillarbox

4 Press ▶, then press ▲ or ▼ to select an aspect ratio. You can select: **16:9 Wide** or **16:9 Pillarbox**, then press **ENTER**.

Note

This setting applies to Blu-ray mode only. It changes the aspect ratio for a disc recorded at in a 4:3 format, but does not change the aspect ration for a disc recorded in a 16:9 format.

5 Press ◀ to save your selection and return to the previous menu level.

Or

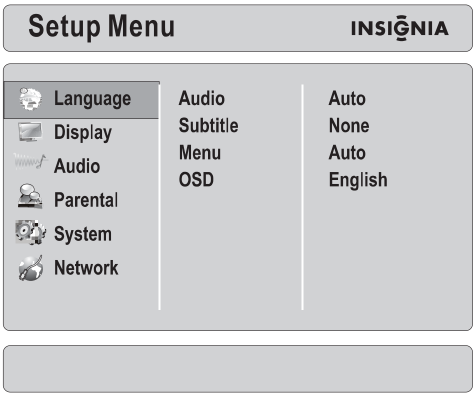
Press **SETUP** to close the *Setup Menu*.

Adjusting the digital audio output

To adjust the digital audio output:

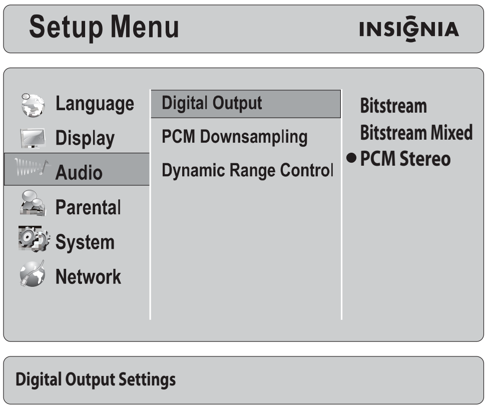
1 Press **BD** to switch to Blu-ray mode.

2 Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network

Audio Auto
Subtitle None
Menu Auto
OSD English

3 Press ▲ or ▼ to select **Audio**, then press ▶ to move to the list of options.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Digital Output
PCM Downsampling
Dynamic Range Control
Digital Output Settings

Bitstream
Bitstream Mixed
● PCM Stereo

4 Press ▲ to select **Digital Output**, then press ▶ to move to the list of options.

5 Press ▲ or ▼ to select an option. You can select:

- **Bitstream**—Sends the original bitstream from disc over SPDIF using legacy audio formats. Blu-ray Disc audio is limited to the soundtrack for main movie and does not send PiP audio or audio effects.
- **Bitstream mixed**—Blu-ray Disc audio streams are mixed and encoded into a single bitstream. Use this option if you are using an SPDIF 5.1CH receiver and you want to enjoy mixed Blu-ray Disc audio in surround sound.
- **PCM Stereo**—Sends mixed digital audio over SPDIF in two-channel PCM format.

Note

When **Bitstream** is selected, your TV/Blu-ray combo cannot output secondary audio.

6 Press ◀ to save your selection and return to the previous menu level.

Or

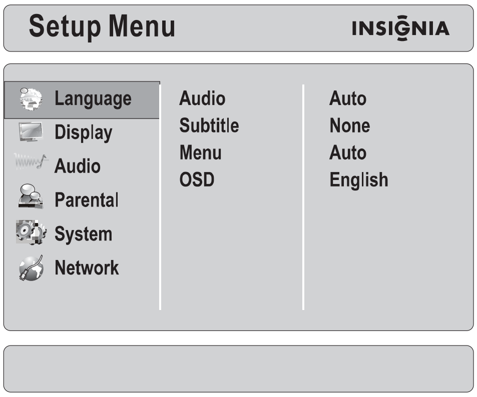
Press **SETUP** to close the *Setup Menu*.

Selecting the PCM downsampling rate

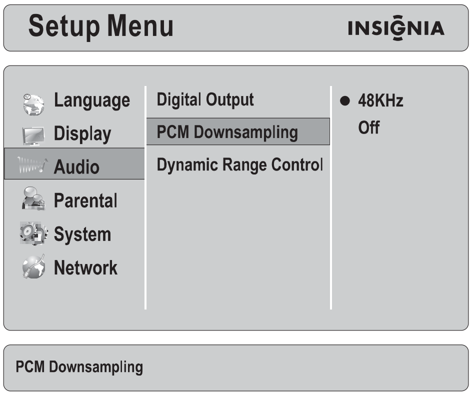
To select the PCM downsampling rate:

1 Press **BD** to switch to Blu-ray mode.

2 Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Audio
Subtitle
Menu
OSD
Auto
None
Auto
English

3 Press ▲ or ▼ to select **Audio**, then press ► to move to the list of options.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Digital Output
PCM Downsampling
Dynamic Range Control
● 48KHz
Off
PCM Downsampling

4 Press ▲ or ▼ to select **PCM Downsampling**, then press ►.

5 Press ▲ or ▼ to select **48KHz** or **Off**.

6 Press ◄ to save your selection and return to the previous menu level.

Or

Press **SETUP** to close the *Setup Menu*.

Note

If you set the PCM downsampling rate incorrectly, audio output may be unpredictable.

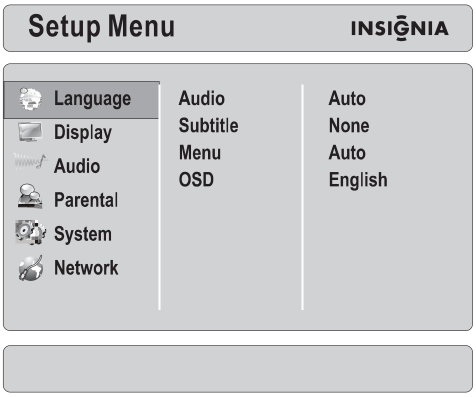
Turning dynamic range control on or off

Dynamic range control only works when your TV/Blu-ray combo detects a Dolby Digital signal.

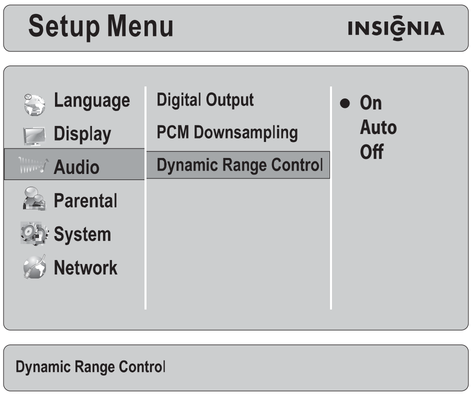
To turn dynamic range control on or off:

1 Press **BD** to switch to Blu-ray mode.

2 Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Audio
Subtitle
Menu
OSD
Auto
None
Auto
English

3 Press ▲ or ▼ to select **Audio**, then press ► to move to the list of options.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Digital Output
PCM Downsampling
Dynamic Range Control
● On
Auto
Off
Dynamic Range Control

4 Press ▼ to select **Dynamic Range Control**, then press ►.

5 Press ▲ or ▼ to select:

- **On**—Select this option if you play movies at low volume or if you have small speakers. Your TV/Blu-ray combo uses compression to make low-audio content easier to hear and prevent high-audio content from getting too loud.
- **Auto**—Select this option to listen to movies at the dynamic range they were recorded in.
- **Off**—Select this option if you do not want to use the DRC feature. The DRC gain value is ignored, and the audio program is reproduced with full dynamic range.

6 Press ◄ to save your selection and return to the previous menu level.

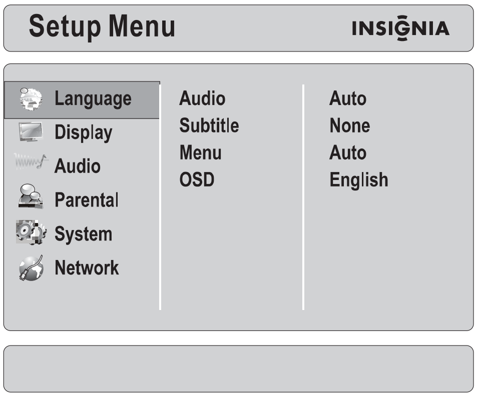
Or

Press **SETUP** to close the *Setup Menu*.

Setting disc parental controls

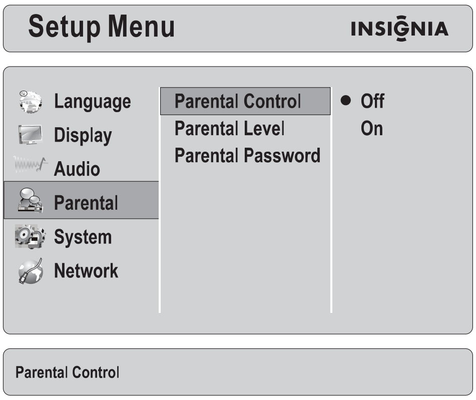
To set parental controls:

1. Press **BD** to switch to Blu-ray mode.
2. Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network

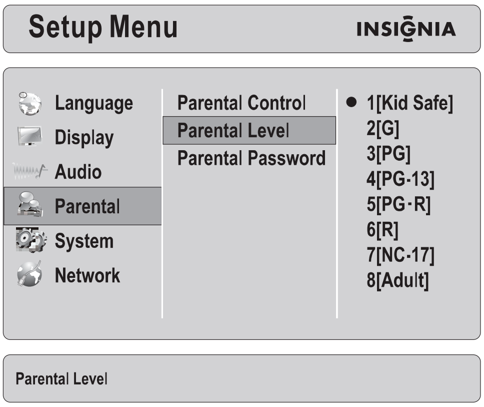
Audio Auto
Subtitle None
Menu Auto
OSD English

3. Press ▲ or ▼ to select **Parental**, then press ▶. You are prompted to enter the password.
4. Press the number buttons to enter the password. The default password is **0000**. The *Parental Control* screen opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Parental Control
Parental Level
Parental Password
Parental Control

Parental Control: ● Off / On

5. Press ▶ then press ▲ to select **Off**. **Parental Control** must be set to **Off** before you can adjust the parental controls.
6. Press ◀ to return to the previous level, then press ▲ or ▼ to select **Parental Level**.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Parental Control
Parental Level
Parental Password
Parental Level

Parental Level: ● 1[Kid Safe] / 2[G] / 3[PG] / 4[PG-13] / 5[PG-R] / 6[R] / 7[NC-17] / 8[Adult]

7. Press ▲ or ▼ to select the rating you want to block. You can select:
   - **1[Kid Safe]**—Suitable for all children.
   - **2[G]**—General audiences.
   - **3[PG]**—Parental guidance suggested.
   - **4[PG-13]**—Not suitable for anyone under 13.
   - **5[PG-R]**—Parental guidance recommended.
   - **6[R]**—Not suitable for anyone under 17 unless supervised by a parent or adult guardian.
   - **7[NC-17]**—Not suitable for anyone under 17.
   - **8[Adult]**—All DVDs can be played.
8. Press ◀ to save your selection and return to the previous menu level.
9. Press ▲ to select **Parental Control**, then press ▶.
10. Press ▼ to select **On**.
11. Press ◀ to save your setting and return to the previous menu level. **Parental Control** must be set to **On** for parental controls to work.

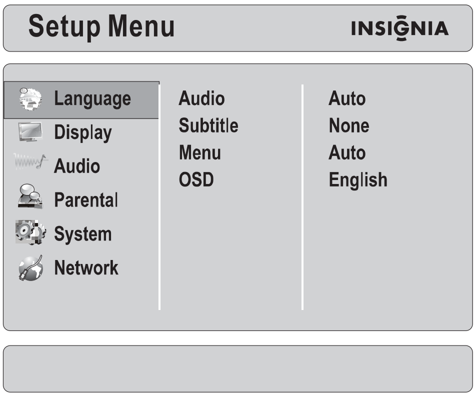
    Or

    Press **SETUP** to close the *Setup Menu*.

Changing the password

To change the password:

1. Press **BD** to switch to Blu-ray mode.
2. Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network

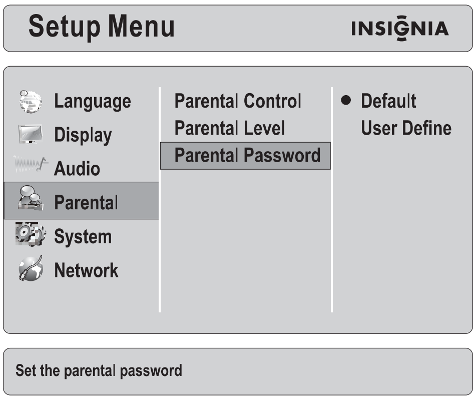
Audio Auto
Subtitle None
Menu Auto
OSD English

3. Press ▲ or ▼ to select **Parental**, then press ▶. You are prompted to enter the password.
4. Press the number buttons to enter the password. The default password is **0000**. The *Parental Control* screen opens.

Note

If you forget the password, eject the disc from the tray, then while pressing and holding **7** on the remote control, press **STOP** on your TV/Blu-ray combo. "Parental settings is cleared" appears on the screen and the password is reset to **0000**.

5 Press ▼ to select **Parental Password**, then press ▶.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Parental Control
Parental Level
Parental Password
● Default
User Define

Set the parental password

6 Press ▲ or ▼ to select **Default** (resets the password to **0000**) or **User Define** (lets you set the password).

7 If you selected **User Define**, press **ENTER**, then press the number buttons to enter the new password.

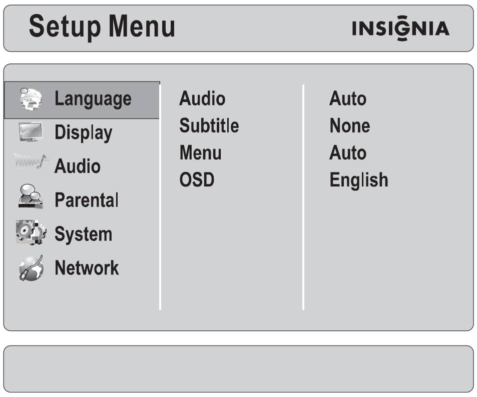
8 Press ◀ to save your password and return to the previous menu level.

Restoring factory defaults

To restore factory defaults:

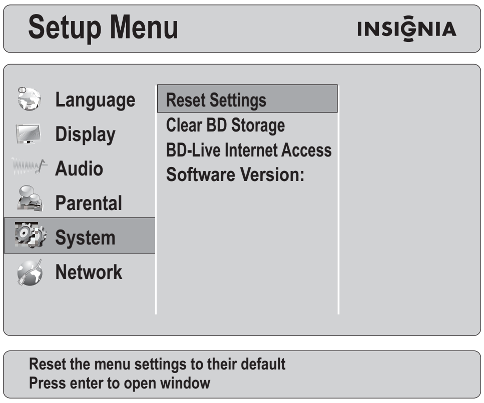
1 Press **BD** to switch to Blu-ray mode.

2 Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network

Audio Auto
Subtitle None
Menu Auto
OSD English

3 Press ▲ or ▼ to select **System**, then press ▶ to move to the list of options.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Reset Settings
Clear BD Storage
BD-Live Internet Access
Software Version:

Reset the menu settings to their default
Press enter to open window

4 Press ▲ to select **Reset Settings**, then press **ENTER**. A message appears asking your to confirm your selection.

5 Select **OK**, then press **ENTER** again to close the message box.

6 Press **SETUP** to close the *Setup Menu*.

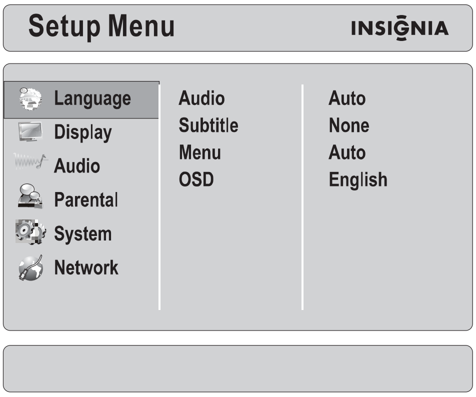
Clearing BD storage

Clears BD storage (application data area) is the space on a Blu-ray Disc that stores information such as the subtitle language selection.

To clear BD storage:

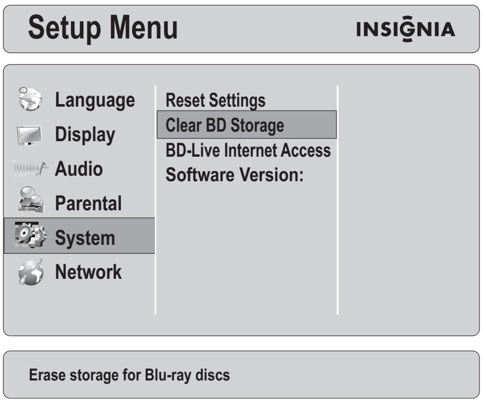
1 Press **BD** to switch to Blu-ray mode.

2 Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network

Audio Auto
Subtitle None
Menu Auto
OSD English

3 Press ▲ or ▼ to select **System**, then press ▶ to move to the list of options.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Reset Settings
Clear BD Storage
BD-Live Internet Access
Software Version:

Erase storage for Blu-ray discs

4 Press ▲ or ▼ to select **Clear BD Storage**, then press **ENTER**. A message appears asking your to confirm your selection.

5 Select **OK**, then press **ENTER** again to close the message box.

6 Press ◀ to save your selection and return to the previous menu level.

Or

Press **SETUP** to close the *Setup Menu*.

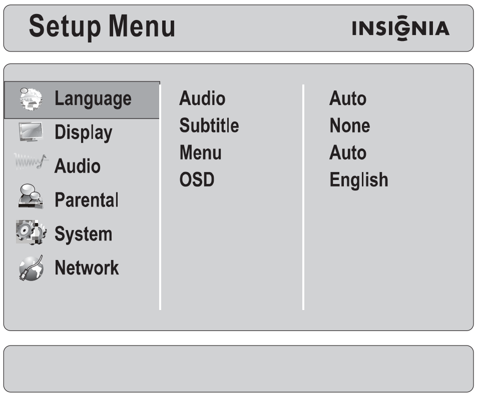
Setting the BD-Live Internet access level

You can set the BD-Live Internet access level to control access to BD-Live Broadcom.

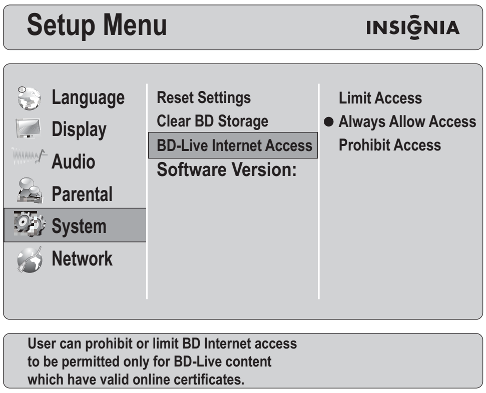
To set the BD-Live Internet access level:

1 Press **BD** to switch to Blu-ray mode.

2 Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Audio
Subtitle
Menu
OSD
Auto
None
Auto
English

3 Press ▲ or ▼ to select **System**, then press ▶ to move to the list of options.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Reset Settings
Clear BD Storage
BD-Live Internet Access
Software Version:
Limit Access
● Always Allow Access
Prohibit Access

User can prohibit or limit BD Internet access to be permitted only for BD-Live content which have valid online certificates.

4 Press ▲ or ▼ to select **BD Live Internet Access**, then press ▶.

5 Press ▲ or ▼ to select an option. You can select:

- **Limit Access**—Allows Internet access with valid "BD-Live" network access approval.
- **Always Allow Access**—Always allows BD-Live Internet access.
- **Prohibit Access**—Never allows BD-Live Internet access.

6 Press ◀ to save your selection and return to the previous menu level.

Or

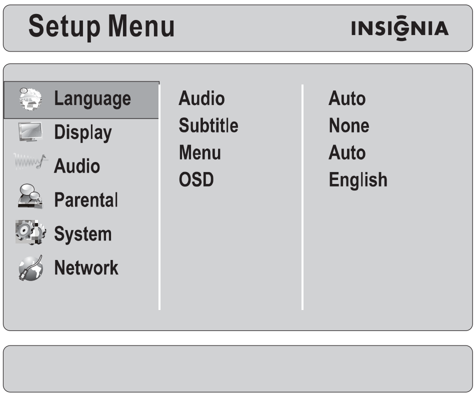
Press **SETUP** to close the *Setup Menu*.

Viewing the software version

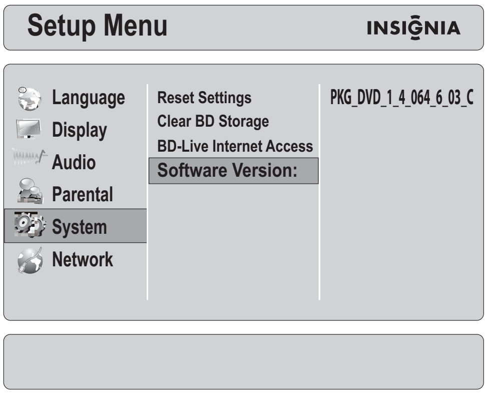
To view the software version:

1 Press **BD** to switch to Blu-ray mode.

2 Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Audio
Subtitle
Menu
OSD
Auto
None
Auto
English

3 Press ▲ or ▼ to select **System**, then press ▶ to move to the list of options.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Reset Settings
Clear BD Storage
BD-Live Internet Access
Software Version:

Software Version: PKG_DVD_1_4_064_6_03_C

4 Press ▲ or ▼ to select **Software Version**. The software version is displayed.

5 Press ◀ to return to the previous menu level.

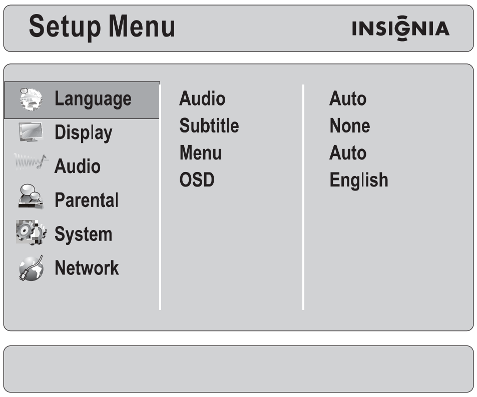
Or

Press **SETUP** to close the *Setup Menu*.

Configuring your TV/Blu-ray combo's Internet connection

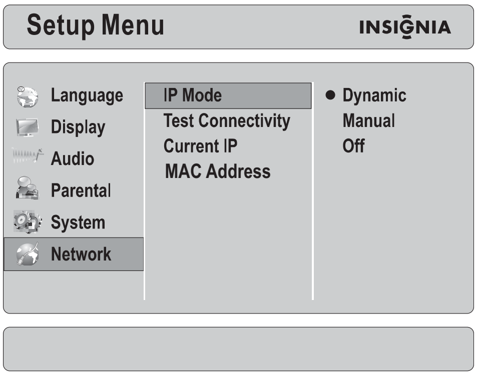
To configure your TV/Blu-ray combo's Internet connection:

1. Press **BD** to switch to Blu-ray mode.
2. Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network

Audio Auto
Subtitle None
Menu Auto
OSD English

3. Press ▼ to select **Network**, then press ▶ to move to the list of options.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
IP Mode
Test Connectivity
Current IP
MAC Address

● Dynamic
Manual
Off

4. Press ▲ to select **IP Mode**, then press ▶.
5. Press ▲ or ▼ to select an option, then press **ENTER**. You can select:
   - **Dynamic**—Uses DHCP to automatically obtain an IP address.
   - **Manual**—Lets you manually configure network settings, such as IP address, subnet mask, and gateway settings. For more information, see "Manually configuring your TV/Blu-ray combo's Internet connection" on page 47.
   - **Off**—Disables the network interface.
6. Press ◀ to save your selection and return to the previous menu level.

   Or

   Press **SETUP** to close the *Setup Menu*.

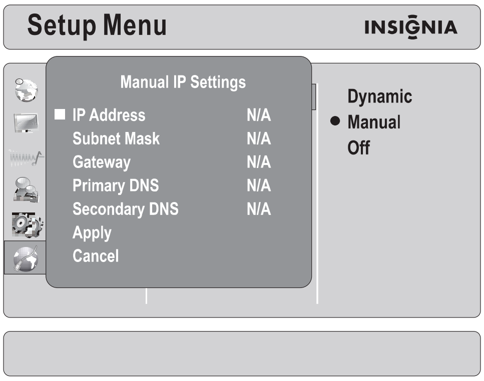
Note

The network cannot be connected to the Internet by way of a proxy server.

Manually configuring your TV/Blu-ray combo's Internet connection

To manually configure your TV/Blu-ray combo's Internet connection:

1. Press **BD** to switch to Blu-ray mode.
2. Press **SETUP**. The *Setup Menu* opens.
3. On the *Network* menu, press ▲ or ▼ to select **IP Mode**, then press ▶.
4. Press ▲ or ▼ to select **Manual**, then press **ENTER**. The *Manual IP Setting* screen opens.


Setup Menu
INSIGNIA
Manual IP Settings
Apply
Cancel

■ IP Address N/A
Subnet Mask N/A
Gateway N/A
Primary DNS N/A
Secondary DNS N/A

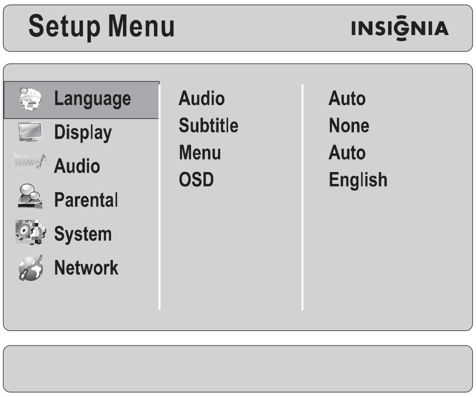
Dynamic
● Manual
Off

5. Press ▲ or ▼ to select an option, then press **ENTER**.
6. Press the number buttons to enter a value, then press ▶ to go to the next option. If you need to correct a value, press ◀ to clear the last number entered.
7. When you have completed all the options, press **ENTER**, then press ▲ or ▼ to select **Apply**, then press **ENTER**. To cancel manual setup, select **Cancel**, then press **ENTER**.

Testing the Internet connection

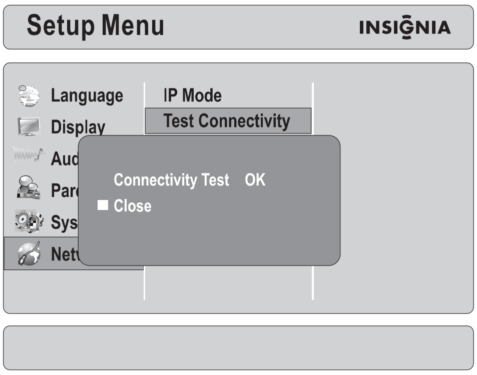
To test the Internet connection:

1. Press **BD** to switch to Blu-ray mode.
2. Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network

Audio Auto
Subtitle None
Menu Auto
OSD English

3 Press ▼ to select **Network**, then press ▶ to move to the list of options.


Setup Menu
INSIGNIA
Language
Display
Aud
Par
Sys
Net
IP Mode
Test Connectivity
Connectivity Test OK
■ Close

4 Press ▲ or ▼ to select **Test Connectivity**, then press **ENTER**. Your TV/Blu-ray combo “pings” up to five servers or IP addresses.

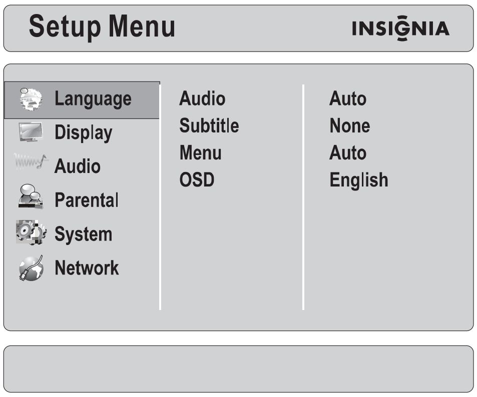
5 To stop the test, select **Close**, then press **ENTER**.

Viewing the current IP address

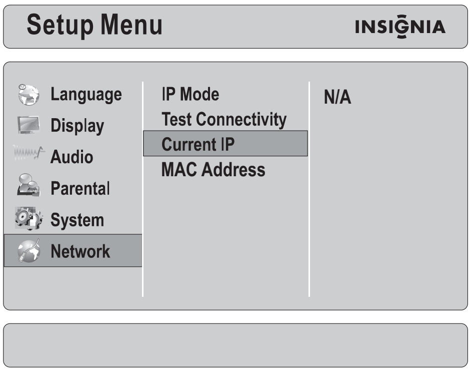
To view the current IP address:

1 Press **BD** to switch to Blu-ray mode.

2 Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Audio
Subtitle
Menu
OSD
Auto
None
Auto
English

3 Press ▼ to select **Network**, then press ▶ to move to the list of options.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
IP Mode
Test Connectivity
Current IP
MAC Address
N/A

4 Press ▲ or ▼ to select **Current IP**, then press ▶. Your TV/Blu-ray combo displays the current IP address.

5 Press ◀ to return to the previous menu level.

Or

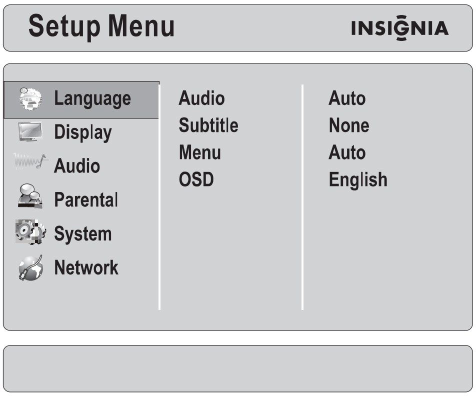
Press **SETUP** to close the *Setup Menu*.

Checking your MAC address

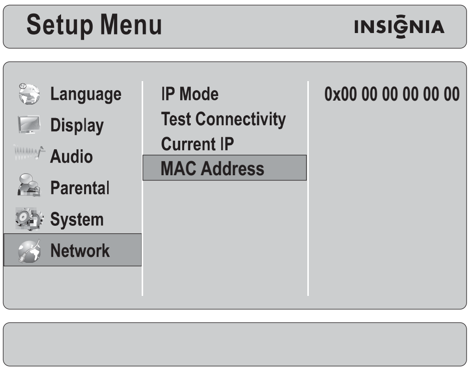
To check your MAC address:

1 Press **BD** to switch to Blu-ray mode.

2 Press **SETUP**. The *Setup Menu* opens.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
Audio
Subtitle
Menu
OSD
Auto
None
Auto
English

3 Press ▼ to select **Network**, then press ▶ to move to the list of options.


Setup Menu
INSIGNIA
Language
Display
Audio
Parental
System
Network
IP Mode
Test Connectivity
Current IP
MAC Address
0x00 00 00 00 00 00

4 Press ▼ to select **Mac Address**, then press ▶. Your TV/Blu-ray combo displays the MAC address.

5 Press ◀ to return to the previous menu level.

Or

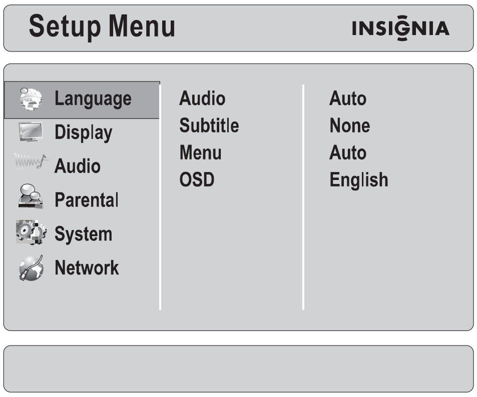
Press **SETUP** to close the *Setup Menu*.

Using the *Setup Menu*

To use the *Setup Menu*:

1 Press **BD** to switch to Blu-ray mode.

2 Press **SETUP**. The *Setup Menu* opens.



Audio Auto
Subtitle None
Menu Auto
OSD English

3 Press ▲ or ▼ to select a menu, then press ▶ to move to the list of menu options. For detailed information about options you can select, see “Setup Menu options” on page 49.

4 Press ▲ or ▼ to select an option, then press ▶ to move to the list of sub-options.

5 Press ▲ or ▼ to select a sub-option.

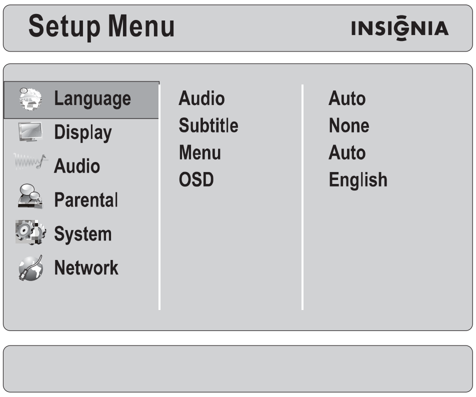
6 Press ◀ to save your selection and return to the previous menu level.

Or

Press **SETUP** to close the *Setup Menu*.

Setup Menu options

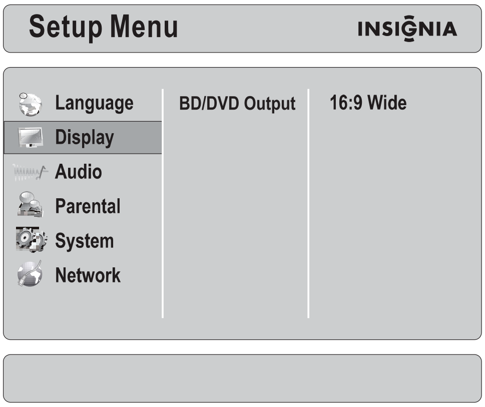
Language



Audio Auto
Subtitle None
Menu Auto
OSD English

Option	Description
Audio	Selects the audio language for the disc. **Note:** All languages may not be available on the disc, and the disc may not let you select the language from your TV/Blu-ray combo’s *Setup Menu*. You may have to use the disc’s menu to select the language. For more information, see “Selecting the audio language” on page 40.
Subtitle	Selects the subtitle language for the disc. **Note:** All languages may not be available on the disc, and the disc may not let you select the language from your TV/Blu-ray combo’s *Setup Menu*. You may have to use the disc’s menu to select the language. For more information, see “Selecting the subtitle language” on page 40.
Menu	Selects the menu language for the disc. **Note:** All languages may not be available on the disc. Most discs only have one menu language available. For more information, see “Selecting the menu language for a disc” on page 41.
OSD	Selects the *Setup Menu* language. You can select **English**, **Français**, or **Español**. For more information, see “Selecting the on-screen menu language” on page 41.

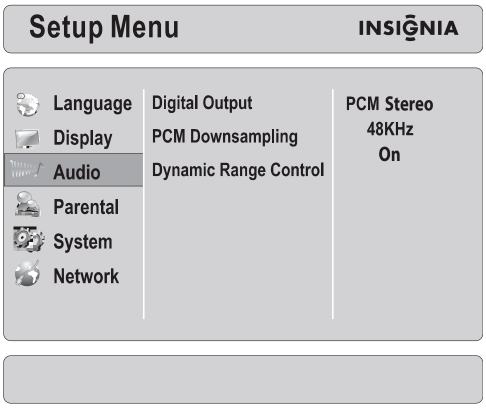
Display



BD/DVD Output 16:9 Wide

Option	Description
BD/DVD Output	Selects the picture size, so you can match the size of the TV screen. You can select **16:9 Wide** or **16:9 Pillarbox**. **Note:** For a wide-screen TV, select one of the 16:9 aspect ratios. If you select an aspect ratio that does not match your TV's screen size, the resulting picture display may be unpredictable. For more information, see "Selecting the aspect ratio" on page 42.

Audio



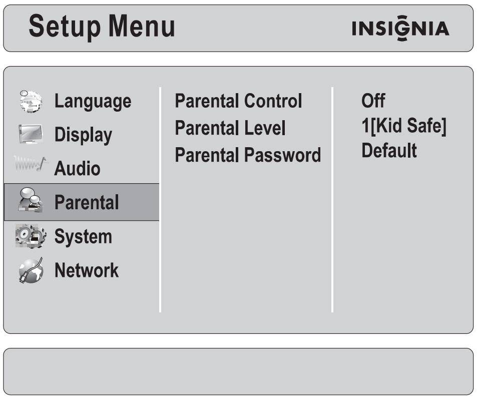
Digital Output PCM Stereo

PCM Downsampling 48KHz

Dynamic Range Control On

Option	Description
Digital Output	Selects the digital audio output. The option you select depends on the capabilities of the sound system you have connected to your TV/Blu-ray combo. For more information, see "Adjusting the digital audio output" on page 42.
PCM Downsampling	Selects the digital output PCM sampling rate. Select **48 KHz**. For more information, see "Selecting the PCM downsampling rate" on page 43.
Dynamic Range Control	Sets Dynamic Range Contro to **On**, **Auto**, or **Off**. Dynamic Range Control is only active when a Dolby Digital signal is received. When you turn on this option and movie soundtracks are played at low volume or from smaller speakers, your TV/Blu-ray combo applies compression to make low-level audio more intelligible and prevents loud audio from getting too loud. For more information, see "Turning dynamic range control on or off" on page 43.

Parental



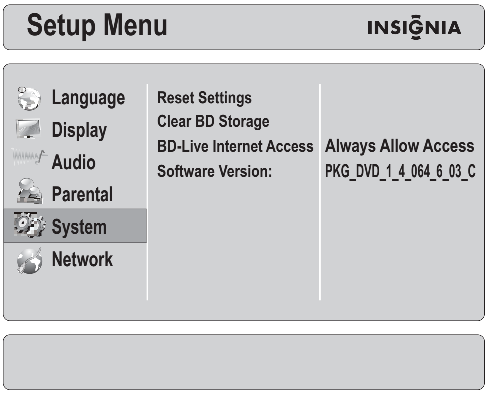
Parental Control Off

Parental Level 1[Kid Safe]

Parental Password Default

Option	Description
Parental Control	Turns parental controls **On** or **Off**. This option works in conjunction with the rating levels applied to Blu-ray Discs. There are up to eight rating levels for Blu-ray Discs. **Note:** To change the rating level, the **Parental Control** option must be **Off**. After you set the parental controls, make sure that you turn the password feature back on. For more information, see "Setting disc parental controls" on page 44.
Parental Level	Selects the parental rating level. For more information, see "Setting disc parental controls" on page 44.
Parental Password	Sets the parental password. The default password is **0000**. For more information, see "Changing the password" on page 44.

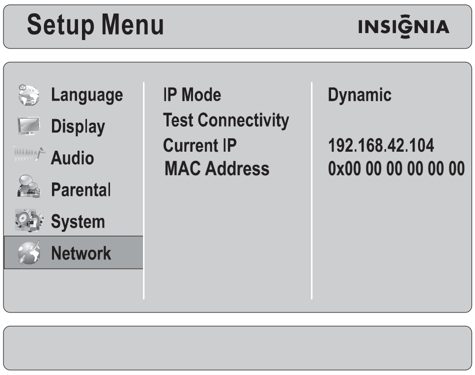
System



Reset Settings
Clear BD Storage
BD-Live Internet Access: Always Allow Access
Software Version: PKG_DVD_1_4_064_6_03_C

Option	Description
Reset Settings	Resets all settings to the factory default. Press **ENTER** after you select this option to reset all settings, including the password. The parental controls rating levels you selected are not reset. For more information, see “Restoring factory defaults” on page 45.
Clear BD Storage	Clears the non-volatile storage (application data area) on a Blu-ray Disc. The application data area is the space on a Blu-ray Disc that stores information such as the subtitle language selection. When you select this option, a confirmation box opens. If you select **OK**, your TV/Blu-ray combo erases the Blu-ray Disc application data area. For more information see, “Clearing BD storage” on page 45
BD-Live Internet Access	Sets the Internet access level. For more information, see “Setting the BD-Live Internet access level” on page 46.
Software Version	Displays your TV/Blu-ray combo’s software version. For more information, see “Viewing the software version” on page 46.

Network



IP Mode: Dynamic
Test Connectivity
Current IP: 192.168.42.104
MAC Address: 0x00 00 00 00 00 00

Option	Description
IP Mode	Selects the IP configuration mode. Select **Dynamic** (uses DHCP to automatically obtain an IP address), **Manual** (lets you manually configure network settings, such as IP address, subnet mask, and gateway settings), or **Off** (disables the network interface).
Test Connectivity	Tests your TV/Blu-ray combo’s Internet connection by “pinging” an IP address. A “ping” sends a message to an internet address and waits for a reply to verify that a connection is working.
Current IP	Shows your TV/Blu-ray combo’s current network configuration.
MAC Address	Shows your TV/Blu-ray combo’s MAC address.

Maintaining

General guidelines

- The top and back panels of your TV/Blu-ray combo may become hot after a long period of use. This is not a malfunction.
- When your are not using your TV/Blu-ray combo, make sure that you remove the disc and put your your TV/Blu-ray combo into standby mode.
- If you do not use your TV/Blu-ray combo for a long period of time, it may not function correctly. Turn on and use your TV/Blu-ray combo occasionally.
- Do not place objects on the disc tray.
- Do not locate your TV/Blu-ray combo:
  - Near heating devices or in an enclosed vehicle
  - In an area with a temperature over 95°F (35°C) or humidity over 80%
  - Dirty places
  - In an area with direct exposure to sunlight

Condensation

Condensation may form inside your TV/Blu-ray combo when:

- You move your TV/Blu-ray combo from a cold area to a warm area
- You use TV/Blu-ray combo in a cold room where you have just turned on a heater
- Air conditioning is blowing directly on your TV/Blu-ray combo
- Your TV/Blu-ray combo is in a damp place

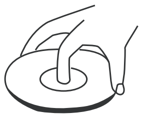
If condensation forms inside your TV/Blu-ray combo, it will not work correctly. Turn on your TV/Blu-ray combo, remove the disc, and leave the tray open for two to three hours. To minimize condensation problems, keep the power cord connected to a power outlet.

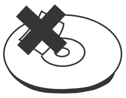
Storing discs

- Do not store discs in a place that is exposed to direct sunlight or heat.
- Do not store discs in a place that is exposed to moisture and dust, such as a bathroom or near a humidifier.
- Store discs vertically in their cases. Stacking discs or placing objects on discs when not in their cases may cause warping.

Handling discs

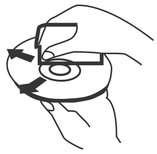
- To keep a disc clean, do not touch the play side (non-label side) of the disc.
- Do not attach paper or tape to the disc.





Cleaning discs

- Before playback, wipe the disc outwards from the center (not in a circle) with a clean cloth.



Troubleshooting

Frequently asked questions

Question	Answer
How do I play multi-channel surround sound?	Connect a sound system to the **DIGITAL COAXIAL AUDIO OUT** or **AUDIO OUT L/ R** jacks.
Can I play Blu-ray Discs or DVDs that I bought in another country?	You can play the discs if the video was recorded in standard NTSC format. You cannot play: • Blu-ray Discs that do not have a region code of **A** • DVDs that do not have a region code of **1** or **ALL**
What is the best type of video connection I should use?	• Composite video provides a good picture. • Component video provides a better picture than composite video. • HDMI video provides the best picture, but it takes longer for an HDMI picture to appear when you first start playing a disc.
What types of discs will my TV/Blu-ray combo play?	Your TV/Blu-ray combo can play the following discs: • Blu-ray Disc-video • DVD-video • CD • JPEG • DVD-R/RW (DVD video format and DVD video recording format) • DVD-R DL (DVD video format and DVD video recording format) Your TV/Blu-ray combo can also play CD-Rs and CD-RWs that have been recorded in one of the following standards: • CD-DA • MP3/WMA • JPEG You must close the session when you record CDs.

Power problems

Problem	Solution
No power	Make sure that the power cord is plugged in. If the power is off in your location, check fuse or circuit breaker. Unplug the TV/Blu-ray combo, then plug it back in.

Blu-ray Disc problems

Problem	Solution
Remote control does not work	• Make sure that you point the remote control at the remote control sensor on the front of your player. For more information, see "Aiming the remote control" on page 8. • Make sure that there is no obstruction between the remote control and the remote control sensor. • Make sure that bright light does not shine on the remote control sensor. Bright light can interfere with signal reception. • Make sure that colored glass is not in front of the remote control sensor. Colored glass can interfere with signal reception. • The batteries may be dead. Replace the batteries.
TV/Blu-ray combo does not work	• A built-in safety device may have been activated. Press **POWER** on the side of your TV/Blu-ray combo to turn it off, then turn it on again. If your TV/Blu-ray combo still does not turn on, unplug the power cord, wait about one minute, plug it in again, then press **POWER** on the side of your TV/Blu-ray combo. • Condensation may have formed inside your TV/Blu-ray combo. Turn off your TV/Blu-ray combo and wait about two to three hours for the condensation to evaporate.
Playback will not start, or playback starts then stops	• If you see ⊘, the action you are trying is not allowed by your TV/Blu-ray combo or the disc. • Make sure that the disc is inserted with the label facing forward. • Make sure that the disc is not dirty. To clean the disc, see "Cleaning discs" on page 52. • The disc may be blank or not compatible with your TV/Blu-ray combo. For a list of compatible discs, see "Playable discs" on page 36.
Startup is slow	• Startup may be slow if the TV is connected to the HDMI cable. • Startup may be slow the first time you plug in the power cord or after a power failure.
Disc tray opens automatically while playing	• Make sure that the disc is not dirty. To clean the disc, see "Cleaning discs" on page 52. • The disc may be blank or not compatible with your V/Blu-ray combo. For a list of compatible discs, see "Playable discs" on page 36. • Try resetting your player. Press **POWER**, wait five seconds, then press **POWER** again.
The player is on and displays the start logo and menu, but there is no image from the disc displayed	• Make sure that the disc is not dirty. To clean the disc, see "Cleaning discs" on page 52. • Try resetting your player. Press **POWER**, wait five seconds, then press **POWER** again.

TV problems

Problem	Solution
Ghosts in picture	Ghosts are caused by the television signal following two paths. One is the direct path and the other is reflected by tall buildings, hills or other large objects. Try changing the direction or position of the antenna to improve the reception.
Picture has spots, streaks, or it flutters	Black spots or horizontal streaks may appear or the picture may flutter or drift because of interference from automobile ignition systems, neon lamps, or AC-powered tools and appliances, such as drills or hair dryers. Turn off appliances, plug the power cord into another power outlet, preferably on a different circuit, or move your TV/Blu-ray combo to another location.
Picture has snow	If the TV is located far from the TV station, such as in a fringe reception area where the signal is weak, small dots may appear in the picture. If the signal is extremely weak, the installation of a larger external antenna may be necessary.
Radio frequency interference (RFI)	RFI can be caused by two-way radios. This type of interference produces moving ripples or diagonal streaks in the picture. Some cases may cause a loss of contrast in the picture. Changing the direction and position of the antenna or installing an RFI filter may improve the picture.
Slight picture size variations	A slight picture size variation is normal when you adjust the contrast or brightness setting.
Poor or no sound	• The station or cable TV provider may be experiencing problems. Tune to another station. • Check volume adjustments or muting. • Check for sources of possible interference.
Poor reception on some channels	• The station or cable TV provider may be experiencing problems. Tune to another station. • Station signal is weak. Reorient the antenna to receive stronger reception. • Check for sources of possible interference.
Poor color or no color	• The station or cable TV provider may be experiencing problems. Tune to another station. • Make sure that you have scanned for channels. See "Automatically scanning for channels" on page 23. • Adjust the picture settings. See "Adjusting the picture settings" on page 17. • Check antenna or cable TV connections or reorient the antenna. • Check for sources of possible interference.
Picture wobbles or drifts	• The station or cable TV provider may be experiencing problems. Tune to another station. • Make sure that you have scanned for channels. See "Automatically scanning for channels" on page 23. • The cable TV provider is scrambling the channel. • Check the antenna orientation.
No cable TV reception	• Check all cable TV connections. • Set **Signal Type** to **Cable**. See "Selecting the TV signal source" on page 23. • The station or cable TV provider may be experiencing problems. Tune to another station.
Horizontal or diagonal bars on the screen	• Check antenna connections and try reorienting it. • Check for sources of possible interference.

Problem	Solution
No reception above channel 13	• Make sure that **Signal Type** is set correctly. See "Selecting the TV signal source" on page 23. • If using an antenna, check UHF antenna connections.
Closed captioning does not work	• The TV station is experiencing problems or the program tuned is not closed captioned. Try another channel. • Check cable TV connection or VHF/UHF antenna, then reposition or rotate the antenna. • Turn on closed captioning in the menu. See "Viewing closed captioning" on page 31.
Wrong language is displayed	Select the correct language in the menu options. See "Selecting the on-screen menu language" on page 34.
Picture has a few bright or dark spots	A few bright or dark dots on an LCD screen is normal. It does not affect the operation of this TV.

BD-Live and USB connections

Problem	Solution
Cannot connect to the Internet	• Make sure that the Internet connection is set up correctly. For more information, see "Configuring your TV/Blu-ray combo's Internet connection" on page 47. • Test the Internet connection to make sure that it is working. For more information, see "Testing the Internet connection" on page 47. • Make sure that the **BD-Live Internet Access** option is not set to **Prohibit Access**. For more information, see "Setting the BD-Live Internet access level" on page 46. • Make sure that the disc you are playing is a legal copy.
After connecting to the Internet, cannot download a file	• BD storage may be full. Try clearing storage. For more information, see "Clearing BD storage" on page 45. • Make sure that the Internet connection is still working. Try testing the connection. For more information, see "Testing the Internet connection" on page 47. • If you are using a USB drive, try a different drive.
File downloaded successfully, but playback pauses	• Make sure that the USB drive is a 2.0 USB device. If the drive is a 1.1 USB device, pausing can occur.
When playing a file on a USB drive, playback pauses.	• Try another USB drive.

Other

Problem	Solution
Audio and video pause momentarily.	• This occurs normally between playlist chapters or scenes. • Video and audio momentarily pause when your player switches between layers on a dual-layer disc.
Blu-ray Disc or DVD does not play	• Make sure that the disc has the same region code as your player. For more information, see "Region codes" on page 36. • Make sure that the disc is not dirty or defective. For more information, see "Cleaning discs" on page 52. • Parental controls are blocking the disc because of the rating. Change the parental controls to allow the rating to play. For more information, see "Setting disc parental controls" on page 44. • Some Blu-ray Discs can only be output with HDMI.
PIP does not work with a Blu-ray Disc	• Make sure that the Blu-ray disc allows PIP. See the documentation that came with the disc.
Subtitles do not display	• Subtitles are not recorded on the disc. • Turn the subtitles on. For more information, see "Using subtitles" on page 38.
Cannot change the viewing angle	• Not all discs are recorded with multiple viewing angles. • Not all scenes on a disc are recorded with multiple viewing angles.
Resume feature does not work	• Resume information is lost when you press ■ several times or when you open the disc tray. • Some discs do not support the resume feature.

Specifications

Specifications are subject to change without notice.

General	
Power supply	120V AC 60 Hz
Power consumption	Operation: 130 W Standby: 0.7 W
Weight	27.1 lbs. (12.3 kg)
Dimensions (W×H×D)	20.22 × 13.94 × 7.62 inches (79.6 × 54.9 × 30.0 cm)
Operating temperature	41°F - 95°F (5°C - 35°C)
Operating humidity	Less than 80%
Television	
Type	31.55 inches (801.3 mm) diagonal
Display method transmission	TFT color LCD panel
Number of pixels	1920 (H) × 1080 (V) Left/Right 88/88 degrees Up/Down 88/88 degrees
Broadcasting system	US system M ATSC standard (8VSB), QAM

Inputs	• S-Video: Y-Input: 1.0 V (p-p), 75 ohms • C-Input: 0.3 V (p-p), 75 ohms • Video: (RCA) 1 V p-p/75 ohms • Audio: (RCA) –8 dBm/50K ohms • Component: (Y) 1 V (p-p), 75 ohms (Pb)/(Pr) 0.7 V (p-p), 75 ohms • HDMI: HDMI compliant (type A connector) • HDCP compliant • E-EDID compliant • Suggested scan rates: 480p, 480i, 720p, 1080p, and 1080i • HDMI/PC audio input (alternative: 2-channel PCM 32/44.1/48 kHz sampling frequency 16/20/24 bits per sample) • PC monitor: Mini-D-sub 15-pin x 1 • Antenna: VHF/UHF In 75 ohms coaxial
Outputs	Digital audio out: 0.5 Vp-p 75 ohms terminated
Speakers	1-5/8 × 4-13/16 inches (40.0 × 123 mm) 8 ohms (2)
Audio output power	10 W + 10 W
Blu-ray/DVD/CD player	
Signal system	NTSC
Applicable disc	BD-ROM, BD-JAVA 1.1, DVD-video,DVD-RW/- R, CD-RW/-R
Audio performance (frequency response)	BD/DVD (linear audio): 4 Hz to 20 kHz CD audio: 4 Hz to 20 kHz S/N ratio: 90 dB Dynamic range: 85 dB Total harmonic distortion: 0.02%
Accessories	• Remote control • Batteries AA (2) • AC cord • Component cable • Stand screws (4) • Stand • *User Guide* • *Quick Setup Guide*

Legal notices

FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user’s authority to operate this equipment.

DHHS and FDA safety certification

CLASS 1
LASER PRODUCT

CERTIFICATION: COMPLIES WITH FDA RADIATION PERFORMANCE STANDARDS, 21 CFR SUBCHAPTER J. COMPLIES WITH FDA PERFORMANCE STANDARDS FOR LASER PRODUCTS EXCEPT FOR DEVIATIONS PURSUANT TO LASER NOTICE NO. 50, DATED JUNE 24, 2007.

Canada ICES-003 statement

Cable Compatible Television apparatus.

Télévision câblocompatible, Canada.

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Java

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Mercury warning

The lamp(s) within this product contain mercury. Disposal should be in compliance with local, state or federal laws.

Two-year limited warranty

Insignia Products ("Insignia") warrants to you, the original purchaser of this new **NS-LBD32X-10A** ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of two (2) years from the date of your purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Insignia brand products and packaged with this warranty statement. This warranty does not cover refurbished Product. If you notify Insignia during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

How long does the coverage last?

The Warranty Period lasts for 2 years (730 days) from the date you purchased the Product. The purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain in-home warranty service for a television with a screen 30 inches or larger, call 1-888-BESTBUY. Call agents will diagnose and correct the issue over the phone or will have an Insignia-approved repair person dispatched to your home. Should the Insignia-approved repair person not correct the issue on the first call, an Insignia television (size and features to be determined by Insignia) will be loaned to you until your TV is repaired and returned, at no charge to you. This feature is only available to Insignia television consumers residing in the United States.

Where is the warranty valid?

This warranty is valid only to the original purchaser of the product in the United States, Canada, and Mexico.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product, including the antenna
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Insignia to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

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Contact Insignia:

For customer service please call 1-877-467-4289
www.insigniaproducts.com

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